

## ARIZONA DEPARTMENT OF TRANSPORTATION

### APPROVED PRODUCTS LIST

March 2010

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The Arizona Department of Transportation (ADOT) does not have the obligation to use any products listed in the Approved Products List (APL). The APL is simply documented the facts that the listed products have been tested, evaluated, or examined under ADOT standards, and were found acceptable to be used in ADOT projects. Please refer to section 106.14 of the Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, 2000 edition, for more detailed description of APL use. ADOT reserves the rights to update this APL periodically without prior notice. ADOT is not liable for any incidental or consequential damages caused by using the data listed on neither the APL nor the revision of the APL. A current APL can be downloaded from the ADOT web page or obtained from the Arizona Transportation Research Center at 2739 E. Washington St., Mail Drop 075R, Phoenix, Arizona 85034-1422. The APL is maintained by the Arizona Transportation Research Center. Trade or manufacturer names, which appear herein, are cited only because they are considered essential to the objectives of the list. The U.S. Government and the State of Arizona do not endorse products or manufacturers. Please review Federal Highway Administration memorandums and documents for product Category I, II, III, IV Certification requirements and approvals at <http://safety.fhwa.dot.gov>. A photocopy of National Cooperative Highway Research Program (NCHRP) Report 350, *Recommended Procedures for the Safety Performance Evaluation of Highway Features*, may be purchased from the Transportation Research Board at their publication search site: <http://www.dcdatal.com/trb/trb.htm>.

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**Definitions**

**Definitions**

|        |  |
|--------|--|
| AASHTO | American Association of State Highway and Transportation Officials |
| ADOT   | Arizona Department of Transportation                               |
| ADT    | Average Daily Traffic  |
| APL    | Approved Products List   |
| ASTM   | American Society for Testing and Materials                         |
| C&S    | Contracts & Specifications   |
| FHWA   | Federal Highway Administration                                     |
| MUTCD  | Manual on Uniform Traffic Control Devices                          |
| NCHRP  | National Cooperative Highway Research Program                      |
| NTPEP  | National Transportation Product Evaluation Program                 |
| PCCP   | Portland Cement Concrete Pavement                                  |
| PRIDE  | Product Resource Investment Deployment and Evaluation              |
| TCPEP  | Traffic Control Product Evaluation Committee                       |
| TL2    | Test Level 2 as defined in NCHRP Report 350                        |
| TL3    | Test Level 3 as defined in NCHRP Report 350                        |
| TL4    | Test Level 4 as defined in NCHRP Report 350                        |

**Category: A – Adhesives**

|          | A-1 – Bonding Agent – Bonding Epoxy Mortar to Old Concrete<br>ADOT Specifications: ASTM C881, C882<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                     |   |               |                |  |
|----------|---|---------------------|---|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product             | Notes   | Approval Date | Recertify Date | Manufacturer   |
| A-1      | 90-17   | BurkEpoxy NS (Gel)  | Non-sag consistency. Bonding old to old conc. & bonding old to new conc. & bonding epoxy mortar to old concrete. Dowel epoxy bonding agent      | 8/09          | 8/14           | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>                   |
| A-1      | 00-06   | Concresive 1490     | Two component, 100% solids, non-sag, epoxy adhesive used for vertical and overhead bonding, patching applications for horizontal anchoring.     | 8/08          | 8/13           | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| A-1      | 91-95   | Duralith            | Medium viscosity. Bonding epoxy mortar to old concrete. Dowel epoxy bonding agent   | 5/08          | 5/13           | The Euclid Chemical Company<br>19218 Redwood Rd.<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| A-1      | 91-94   | Duralith Gel        | Non-sag consistency. Bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.   | 5/08          | 5/13           | The Euclid Chemical Company<br>19218 Redwood Rd.<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| A-1      | 92-40   | Hunt Process HB 100 | Medium viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete.  | 12/04         | 12/09          | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                         |
| A-1      | 92-09   | Pro-Poxy 100        | Low viscosity. Bonding agent for old to new conc. & bonding old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 5/08          | 5/13           | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax   |
| A-1      | 92-06   | Pro-Poxy 200        | Medium viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                         | 5/08          | 5/13           | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax   |
| A-1      | 92-05   | Pro-Poxy 300        | Non-sag viscosity. Bonding old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                                  | 5/08          | 5/13           | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax   |

|     |       |   |  |       |       |   |
|-----|-------|---|--|-------|-------|---|
| A-1 | 95-09 | Pro-Poxy 50 Super LV                            | Low viscosity, high strength bonding agent; two components, general purpose.   | 1/06  | 1/11  | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-1 | 91-46 | Rezi-weld 1000 Multi-purpose Construction Epoxy | Medium viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                | 1/06  | 1/11  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>  |
| A-1 | 90-06 | Sikadur 32 Hi-Mod LPL                           | Regular viscosity-slow set time. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>  |
| A-1 | 99-03 | Spec-Bond 50                                    | Low viscosity epoxy adhesive.  | 11/05 | 11/10 | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-1 | 92-23 | Spec-Bond 200                                   | Non-sag viscosity. Bonding agent for old to new conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.               | 4/08  | 4/13  | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-1 | 92-70 | Sure-Anchor Epoxy                               | Non-sag viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.               | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| A-1 | 99-03 | Spec-Bond 50                                    | Low viscosity epoxy adhesive.  | 5/04  | 5/09  | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-1 | 98-12 | Unitex Pro-Poxy 100LV                           | General-purpose epoxy for crack grouting.  | 5/08  | 5/13  | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |

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|-----|-------|---------------------|---|-------|-------|--|
| A-1 | 97-22 | Unitex Pro-Poxy 200 | Medium viscosity epoxy adhesive.  | 5/08  | 5/13  | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax   |
| A-1 | 07014 | Unitex Pro-Poxy 204 | For structural bonding of concrete, fresh to hardened, old to old, and structural repair. | 12/07 | 12/12 | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(303) 941-0123<br>(816) 483-3149 – Fax<br><a href="http://www.unitex-chemicals.com">www.unitex-chemicals.com</a> |

| A-2 – Bonding Agent – Bonding Old to New Concrete<br>ADOT Specifications: ASTM C881, C882<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |  |   |               |                |  |
|--|-------------|--|---|---------------|----------------|--|
| Category   | ID/Rpt. No. | Product  | Notes   | Approval Date | Recertify Date | Manufacturer   |
| A-2  | 85-21       | Burkepoxy MV (Liquid)<br>(formally Burke 881 LPL Patch and Bond Epoxy) | Regular viscosity. Bonding agent for old to old conc. & bonding old to new conc. Dowel epoxy-bonding agent.   | 8/09          | 8/14           | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>                               |
| A-2  | 90-17       | BurkEpoxy NS (Gel)   | Non-sag consistency. Bonding agent for old to old conc. & bonding old to new conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 8/09          | 8/14           | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>                               |
| A-2  | 00-06       | Concresive 1490  | Two component, 100% solids, non-sag, epoxy adhesive used for vertical and overhead bonding, patching applications for horizontal anchoring.           | 8/08          | 8/13           | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| A-2  | 83-50       | Concresive Paste SPL   | High viscosity or non-sag epoxy. Dowel epoxy-bonding agent. Bonding agent for old to new concrete.  | 8/08          | 8/13           | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| A-2  | 92-09       | Pro-Poxy 100   | Low viscosity. Bonding agent for old to new conc. & bonding old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.       | 5/08          | 5/13           | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax   |
| A-2  | 93-43       | Spec-Bond 100  | Medium viscosity. Bonding agent for old to new concrete. Dowel epoxy-bonding agent.   | 4/08          | 4/13           | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |

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|-----|-------|----------------------|--|-------|-------|--|
| A-2 | 92-23 | Spec-Bond 200        | Non-sag viscosity. Bonding agent for old to new conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 4/08  | 4/13  | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| A-2 | 91-01 | Sika Armatec 110     | Water based epoxy resin/bonding agent. Long set time bonding agent for old to new concrete.                              | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                     |
| A-2 | 83-29 | Sikadur 21 Lo-Mod LV | Low viscosity not to be under vehicle traffic. Bonding agent for old to new conc. Dowel epoxy bonding agent.             | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                     |
| A-2 | 83-28 | Sikadur 32 Hi-Mod    | Regular viscosity. Bonding agent for old to new conc. Dowel epoxy bonding agent.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                     |
| A-2 | 02001 | Ultrabond 1100       | Bonding agent for concrete to concrete. Dowel and anchoring epoxy as well.   | 9/09  | 9/14  | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>                            |
| A-2 | 97-22 | Unitex Pro-Poxy 200  | Medium viscosity epoxy adhesive.   | 5/08  | 5/13  | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax   |
| A-2 | 07014 | Unitex Pro-Poxy 204  | For structural bonding of concrete, fresh to hardened, old to old, and structural repair.                                | 12/07 | 12/12 | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(303) 941-0123<br>(816) 483-3149 – Fax<br><a href="http://www.unitex-chemicals.com">www.unitex-chemicals.com</a>                       |

|          | A-3 – Bonding Agent – Bonding Old to Old Concrete<br>ADOT Specifications: ASTM C881, C882<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |

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|-----|-------|---|---|------|------|---|
| A-3 | 85-17 | Burkepoxy LV (Thin Liquid) (formerly Burke 881 LPL Topping & Crack Grout) | Low viscosity. Bonding agent for old to old conc. & for patching concrete surfaces.   | 8/09 | 8/14 | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>    |
| A-3 | 85-21 | Burkepoxy MV (Liquid) (formerly Burke 881 LPL Patch and Bond Epoxy)       | Regular viscosity. Bonding agent for old to old conc. & bonding old to new conc. Dowel epoxy bonding agent.                                     | 8/09 | 8/14 | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>    |
| A-3 | 90-17 | BurkEpoxy NS (Gel)  | Non-sag consistency. Bonding old to old conc. & bonding old to new conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.     | 8/09 | 8/14 | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>    |
| A-3 | 90-12 | BurkEpoxy NS Rapid Set  | Non-sag consistence. Bonding agent for old to old conc. Dowel epoxy bonding agent.  | 8/09 | 8/14 | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>    |
| A-3 | 96-45 | Burkepoxy Pistol Pack EZ  | Bonding agent – Bonding agent for old to old concrete.  | 8/09 | 8/14 | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>    |
| A-3 | 00-06 | Concresive 1490   | Two component, 100% solids, non-sag, epoxy adhesive used for vertical and overhead bonding, and patching applications for horizontal anchoring. | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| A-3 | 82-48 | Concresive Liquid LPL   | Medium viscosity. Bonding agent for old to old conc. Dowel epoxy bonding agent.   | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| A-3 | 90-42 | Concresive 1370   | Injection epoxy. Bonding agent for old to old conc. Dowel epoxy bonding agent.  | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| A-3 | 89-42 | Concresive 1360   | Injection epoxy adhesive. Crack-sealing injection & bonding agent for old to old conc. Dowel epoxy bonding agent.                               | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| A-3 | 87-18 | Crackbond LR 321  | Injection epoxy adhesive. Crack-sealing injection & bonding old to old conc.  | 9/09 | 9/14 | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a> |

|     |       |                                    |   |       |       |   |
|-----|-------|------------------------------------|---|-------|-------|---|
| A-3 | 83-26 | Duralcrete LV                      | Low viscosity. Bonding agent for old to old conc., crack-sealing injection. Dowel epoxy-bonding agent.  | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| A-3 | 92-40 | Hunt Process HB 100                | Medium viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete.  | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                          |
| A-3 | 85-23 | LPL Epoxy Bonder                   | Regular viscosity. Bonding agent for old to old conc. Dowel epoxy bonding agent.  | 5/04  | 5/09  | Contractor's Chemical, Inc.<br>3130 Depot Road<br>Hayward CA 94545-2708<br>(510) 783-5631   |
| A-3 | 90-14 | Polybac or Polyject 1605           | Regular viscosity. Bonding agent for old to old conc. Dowel epoxy bonding agent.  | 5/08  | 5/13  | Polygem, Inc.<br>P.O. Box 609<br>West Chicago IL 60186<br>(630) 231-5600<br>(630) 231-5604<br><a href="http://www.polygem.com/">http://www.polygem.com/</a>                             |
| A-3 | 90-13 | Polyject 1001                      | Injection epoxy adhesive. Bonding agent for old to old conc. Dowel epoxy bonding agent.   | 5/08  | 5/13  | Polygem, Inc.<br>P.O. Box 609<br>West Chicago IL 60186<br>(630) 231-5600<br>(630) 231-5604<br><a href="http://www.polygem.com/">http://www.polygem.com/</a>                             |
| A-3 | 90-16 | Polyject Epoxy Injection Cartridge | Injection epoxy adhesive. Bonding agent for old to old conc. Dowel epoxy bonding agent.   | 5/08  | 5/13  | Polygem, Inc.<br>P.O. Box 609<br>West Chicago IL 60186<br>(630) 231-5600<br>(630) 231-5604<br><a href="http://www.polygem.com/">http://www.polygem.com/</a>                             |
| A-3 | 92-09 | Pro-Poxy 100                       | Low viscosity. Bonding agent for old to new conc. & bonding old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 5/08  | 5/13  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-3 | 92-06 | Pro-Poxy 200                       | Medium viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                         | 5/08  | 5/13  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-3 | 92-05 | Pro-Poxy 300                       | Non-sag viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                        | 5/08  | 5/13  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |

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|-----|-------|---|---|-------|-------|---|
| A-3 | 95-13 | Pro-Poxy 300 Fast                               | Non-sag, injectable   | 1/06  | 1/11  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-3 | 95-09 | Pro-Poxy 50 Super LV                            | Low viscosity, high strength bonding agent; two components, general purpose.  | 1/06  | 1/11  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-3 | 91-45 | Prime Gel 2500 Quick Bond                       | Non-sag consistency. Bonding agent for old to old conc. Dowel epoxy bonding agent.                                      | 11/05 | 11/10 | Prime Resins, Inc.<br>2381 Rockaway Industrial Boulevard<br>Conyers GA 30012<br>(800) 321-7212<br>(770) 388-0626<br>(770) 388-0936<br><a href="http://www.primeresins.com/">http://www.primeresins.com/</a> |
| A-3 | 91-46 | Rezi-weld 1000 Multi-purpose Construction Epoxy | Medium viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 1/06  | 1/11  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-3 | 91-47 | Rezi-weld Gel Paste Construction Epoxy          | Non-sag consistency. Bonding agent for old to old conc. Dowel epoxy bonding agent.                                      | 1/06  | 1/11  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-3 | 86-43 | Rezi-weld Multiple Purpose Epoxy                | Low viscosity. Dowel epoxy-bonding agent. Bonding agent for old to old conc. & bonding old to new concrete.             | 1/06  | 1/11  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-3 | 95-05 | Rezi-Weld Rapid Set Injection Epoxy             | Low viscosity   | 1/06  | 1/11  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-3 | 85-25 | Select Bond FS-1350                             | Medium viscosity. Bonding agent for old to old conc. Dowel epoxy bonding agent.   | 5/08  | 5/13  | Select Products Co.<br>1131 W. Baker Street<br>Costa Mesa, CA 92626<br>(714) 429-0808<br>(714) 429-1881 - Fax   |

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|-----|-------|---|--|-------|-------|---|
| A-3 | 83-27 | Sikadur 31 Hi-Mod Gel                         | High viscosity or non-sag. Dowel epoxy-bonding agent. Bonding agent for old to old conc.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>  |
| A-3 | 90-06 | Sikadur 32 Hi-Mod LPL                         | Regular viscosity-slow set time. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>  |
| A-3 | 82-12 | Sikadur 35 Hi Mod LV<br>(a.k.a. Sikastix 350) | Bonding agent for old to old conc., crack-sealing injection.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>  |
| A-3 | 88-16 | Sikadur Injection Gel                         | Non-sag consistency. Crack-sealing injection & bonding agent for old to old conc.  | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>  |
| A-3 | 91-44 | Speed Bond #1                                 | Non-sag consistency. Bonding agent for old to old conc. Dowel epoxy bonding agent.   | 11/05 | 11/10 | Prime Resins, Inc.<br>2381 Rockaway Industrial Boulevard<br>Conyers GA 30012<br>(800) 321-7212<br>(770) 388-0626<br>(770) 388-0936<br><a href="http://www.primeresins.com/">http://www.primeresins.com/</a>   |
| A-3 | 99-03 | Spec-Bond 50                                  | Low viscosity epoxy adhesive.  | 11/05 | 11/10 | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-3 | 92-70 | Sure-Anchor Epoxy                             | Non-sag viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.               | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City Kansas 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |

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|-----|-------|-----------------------|---|-------|-------|---|
| A-3 | 96-39 | Sure-Anchor I (J-51)  | Bonding agent – Bonding agent for old to old concrete.                                    | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City Kansas 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| A-3 | 02001 | Ultrabond 1100        | Bonding agent for concrete to concrete.<br>Dowel and anchoring epoxy as well.             | 5/03  | 5/08  | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>   |
| A-3 | 98-12 | Unitex Pro-Poxy 100LV | General-purpose epoxy used for crack grouting.  | 5/08  | 5/13  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-3 | 97-22 | Unitex Pro-Poxy 200   | Medium viscosity epoxy adhesive.  | 5/08  | 5/13  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-3 | 07014 | Unitex Pro-Poxy 204   | For structural bonding of concrete, fresh to hardened, old to old, and structural repair. | 12/07 | 12/12 | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(303) 941-0123<br>(816) 483-3149 – Fax<br><a href="http://www.unitex-chemicals.com">www.unitex-chemicals.com</a>  |

|          | A-4 – Crack-Sealing Injection<br>ADOT Specifications: ASTM C881, C882<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                 |   |               |                |   |
|----------|--|-----------------|---|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product         | Notes   | Approval Date | Recertify Date | Manufacturer  |
| A-4      | 89-42  | Concresive 1360 | Injection epoxy adhesive. Crack-sealing injection & bonding agent for old to old conc. Dowel epoxy bonding agent. | 8/08          | 8/13           | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax |
| A-4      | 83-49  | Concresive 1380 | Low viscosity bonding agent; crack-sealing injection  | 3/03          | 3/08           | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax |

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|-----|-------|---|--|-------|-------|---|
| A-4 | 87-18 | Crackbond LR 321                              | Injection epoxy adhesive. Crack-sealing injection & bonding agent for old to old concrete. | 9/09  | 9/14  | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>             |
| A-4 | 82-12 | Sikadur 35 Hi Mod LV<br>(a.k.a. Sikastix 350) | Bonding agent for old to old conc.; crack-sealing injection.                               | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                      |
| A-4 | 83-31 | Sikadur 52                                    | Injection resin epoxy. Crack-sealing injection. Dowel epoxy bonding agent                  | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                      |
| A-4 | 88-16 | Sikadur Injection Gel                         | Non-sag consistency; crack-sealing injection & bonding agent for old to old concrete.      | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                      |
| A-4 | 07014 | Unitex Pro-Poxy 204                           | For structural bonding of concrete, fresh to hardened, old to old, and structural repair.  | 12/07 | 12/12 | Unitex<br>3101 Gardner Ave.<br>Kansas City MO 64120-1804<br>(303) 941-0123<br>(816) 483-3149 – Fax<br><a href="http://www.unitex-chemicals.com">http://www.unitex-chemicals.com</a> |

|          | A-5 – Dowel Bonding Adhesive – Cementitious<br>ADOT Specifications: Materials Group Method<br>ADOT Drawings: None<br>Responsible Section: Materials Group |          |       |               |                |   |
|----------|---|----------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product  | Notes | Approval Date | Recertify Date | Manufacturer  |
| A-5      | 94-11   | Quik-Rok |       | 9/09          | 9/14           | Ameristar Fence Products<br>P.O. Box 581000<br>Tulsa OK 74158-1000<br>(800) 321-8724<br>(918) 835-0898<br>(877) 926-3747 – Fax<br><a href="http://www.ameristarfence.com/">http://www.ameristarfence.com/</a> |

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|  | A-6 – Dowel Bonding Adhesive – Epoxy<br>ADOT Specifications: Arizona Test Method 725<br>ADOT Drawings: None<br>Responsible Section: Materials Group<br><br>NOTE: Products listed in Category A-6 are not approved for use in sustained tension loading applications. |  |  |  |  |  |
|--|--|--|--|--|--|--|

| <b>Category</b> | <b>ID/Rpt. No.</b> | <b>Product</b>   | <b>Notes</b>  | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b>  |
|-----------------|--------------------|--|---|----------------------|-----------------------|--|
| A-6             | 02078              | Acrylic Tie Adhesive   |   | 12/05                | 12/10                 | Simpson Anchor Systems<br>4120 Dublin Boulevard, Suite 400<br>Dublin, CA 94568<br>800-999-5099<br>614- 850- 4129-Fax   |
| A-6             | 92-59              | Burke Epoxy Pistol Pak   | Dowel system. Dowel epoxy-bonding agent.  | 8/09                 | 8/14                  | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| A-6             | 85-21              | BurkEpoxy MV (Liquid)<br>(formerly Burke 881 LPL Patch and Bond Epoxy) | Regular viscosity. Bonding agent for old to old concrete. & bonding agent for old to new concrete. Dowel epoxy-bonding agent.                                   | 8/09                 | 8/14                  | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| A-6             | 90-17              | BurkEpoxy NS (Gel)   | Non-sag consistency. Bonding agent for old to old conc. & bonding agent for old to new conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 8/09                 | 8/14                  | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| A-6             | 90-12              | BurkEpoxy NS Rapid Set   | Non-sag consistence. Bonding agent for old to old conc. Dowel epoxy bonding agent.  | 8/09                 | 8/14                  | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| A-6             | 96-45              | BurkEpoxy Pistol Pack  | Dowel bonding adhesive – epoxy  | 8/09                 | 8/14                  | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| A-6             | 91-05              | CIA Gel Epoxy  | Dowel system. Dowel epoxy bonding agent   | 4/08                 | 4/13                  | USP Structural Connectors<br>14305 Southcross Drive, Suite 200<br>Burnsville MN 55306<br>(952) 898-8772<br>(952) 898-8683 - Fax                                      |
| A-6             | 00-06              | Concresive 1490  | Two component, 100% solids, non-sag, epoxy adhesive used for vertical and overhead bonding, patching applications for horizontal anchoring.                     | 8/08                 | 8/13                  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| A-6             | 89-42              | Concresive 1360  | Injection epoxy adhesive. Crack-sealing injection & bonding agent for old to old conc. Dowel epoxy bonding agent.   | 8/08                 | 8/13                  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |

|     |                |                               |   |      |       |   |
|-----|----------------|-------------------------------|---|------|-------|---|
| A-6 | 90-42          | Concresive 1370               | Injection epoxy. Bonding agent for old to old conc. Dowel epoxy bonding agent.                          | 8/08 | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| A-6 | 82-48          | Concresive Liquid LPL         | Medium viscosity. Bonding agent for old to old conc. Dowel epoxy bonding agent.                         | 8/08 | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| A-6 | 83-50          | Concresive Paste SPL          | High viscosity or non-sag epoxy. Dowel epoxy-bonding agent. Bonding agent for old to new conc.          | 8/08 | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| A-6 | 83-26          | Duralcrete LV                 | Low viscosity. Bonding agent for old to old conc., crack-sealing injection. Dowel epoxy-bonding agent.  | 5/08 | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland Ohio 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>   |
| A-6 | 91-95          | Duralith                      | Medium viscosity. Bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                      | 5/08 | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>     |
| A-6 | 91-94          | Duralith Gel                  | Non-sag consistency. Bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                   | 5/08 | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>     |
| A-6 | 98-19          | Epcon A7 Adhesive             | Dowel adhesive system.  | 3/03 | 12/13 | ITW Ramset/Red Head<br>1300 N. Michael Drive<br>Wood Dale IL 60191<br>(630) 350-0370<br>(630) 350-7985 – Fax<br><a href="http://www.ramset-redhead.com/">http://www.ramset-redhead.com/</a> |
| A-6 | 88-15          | Epcon C6 Adhesive (ceramic 6) | Injection anchoring system. Dowel epoxy-bonding agent.  | 4/03 | 4/08  | ITW Ramset/Red Head<br>1300 N. Michael Drive<br>Wood Dale IL 60191<br>(630) 350-0370<br>(630) 350-7985 – Fax<br><a href="http://www.ramset-redhead.com/">http://www.ramset-redhead.com/</a> |
| A-6 | 00-17<br>01043 | Epcon Maxima 7 Glass Capsules | Adhesive anchoring material in glass capsules for setting threaded rod for anchoring in solid concrete. | 3/03 | 3/08  | ITW Ramset/Red Head<br>1300 N. Michael Drive<br>Wood Dale IL 60191<br>(630) 350-0370<br>(630) 350-7985 – Fax<br><a href="http://www.ramset-redhead.com/">http://www.ramset-redhead.com/</a> |

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|-----|----------------|--------------------------------------|---|------|------|---|
| A-6 | 95-04<br>95014 | Epcon System New Granite 5 (New G5)  | Dowel system  | 3/03 | 3/08 | ITW Ramset/Red Head<br>1300 N. Michael Drive<br>Wood Dale IL 60191<br>(630) 350-0370<br>(630) 350-7985 – Fax<br><a href="http://www.ramset-redhead.com/">http://www.ramset-redhead.com/</a> |
| A-6 | 99-24<br>98111 | Epcon System Impact Capsule          | Single sealed glass capsule of adhesive containing both the resin and hardener being kept separate.                       | 3/03 | 3/08 | ITW Ramset/Red Head<br>1300 N. Michael Drive<br>Wood Dale IL 60191<br>(630) 350-0370<br>(630) 350-7985 – Fax<br><a href="http://www.ramset-redhead.com/">http://www.ramset-redhead.com/</a> |
| A-6 | 98-37<br>98095 | Epoxy-Tie Adhesive ET (Dowel System) | Anchoring application in concrete that does not require a load to be applied for at least 24 hours. Includes ET22 & ET56. | 2/04 | 2/09 | Simpson Strong-Tie Company, Inc.<br>4120 Dublin Boulevard, Suite 400<br>Dublin CA 94568<br>(800) 999-5099<br><a href="http://www.strongtie.com/">http://www.strongtie.com/</a>              |
| A-6 | 90-57          | Euco #452 MV Epoxy System            | Medium viscosity. Dowel epoxy-bonding agent.  | 5/08 | 5/13 | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110-2799<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>    |
| A-6 | 91-93          | Flexocrete                           | Low viscosity. Dowel epoxy-bonding agent.   | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>     |
| A-6 | 04011          | Gelbond NS Fast                      |   | 6/06 | 6/11 | US Mix Products Company<br>112 South Santa Fe Drive<br>Denver Colorado 80223<br>(303) 778-7227<br>(303) 722-8426 – Fax  |
| A-6 | 01087          | Hilti HIT RE 500 Injection Adhesive  |   | 5/08 | 5/13 | Hilti, Inc.<br>PO Box 21148<br>Tulsa OK 74121<br>(800) 879-8000<br>(800) 879-7000 – Fax<br><a href="http://www.hilti.com">www.hilti.com</a>   |
| A-6 | 87-11          | HS-200                               | Dowel epoxy-bonding agent.  | 9/09 | 9/14 | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>                     |

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|-----|-------|------------------------------------|---|------|------|---|
| A-6 | 99049 | HTE 50 High Strength Epoxy         |   | 9/09 | 9/14 | Hilti, Inc.<br>5400 South 122 <sup>nd</sup> East Ave.<br>Tulsa OK 74146<br>(800) 879-6000<br>(800) 879-7000 – Fax<br><a href="http://www.hilti.com">www.hilti.com</a> |
| A-6 | 85-23 | LPL Epoxy Bonder                   | Regular viscosity. Bonding agent for old to old conc. Dowel epoxy bonding agent.            | 5/04 | 5/09 | Contractor's Chemical, Inc.<br>3130 Depot Road<br>Hayward CA 94545-2708<br>(510) 783-5631   |
| A-6 | 86-02 | Mark-193                           | A three-component epoxy. Dowel epoxy-bonding agent.   | 9/09 | 9/14 | Poly-Carb, Inc.<br>33095 Bainbridge Rd.<br>Cleveland OH 44139<br>(440) 248-1223<br>(440) 248-1513 – Fax<br><a href="http://www.poly-carb.com">www.poly-carb.com</a>   |
| A-6 | 86-32 | Mark-198                           | Dowel adhesive. Dowel epoxy-bonding agent.  | 9/09 | 9/14 | Poly-Carb, Inc.<br>33095 Bainbridge Rd.<br>Cleveland OH 44139<br>(440) 248-1223<br>(440) 248-1513 – Fax<br><a href="http://www.poly-carb.com">www.poly-carb.com</a>   |
| A-6 | 02076 | New G5 Epoxy Anchoring Adhesive    |   | 5/03 | 5/08 | ITW Ramset/Redhead<br>1300 N Michael Drive<br>Wood Dale IL 60191<br>(618) 465-4047<br>(618) 465-4048 – Fax  |
| A-6 | 90-14 | Polybac or Polyject 1605           | Regular viscosity. Bonding agent for old to old concrete. Dowel epoxy-bonding agent.        | 5/08 | 5/13 | Polygem, Inc.<br>P.O. Box 609<br>West Chicago IL 60186<br>(630) 231-5600<br>(630) 231-5604<br><a href="http://www.polygem.com/">http://www.polygem.com/</a>           |
| A-6 | 90-13 | Polyject 1001                      | Injection epoxy adhesive. Bonding agent for old to old concrete. Dowel epoxy-bonding agent. | 5/08 | 5/13 | Polygem, Inc.<br>P.O. Box 609<br>West Chicago IL 60186<br>(630) 231-5600<br>(630) 231-5604<br><a href="http://www.polygem.com/">http://www.polygem.com/</a>           |
| A-6 | 90-15 | Polyject 1257                      | Regular viscosity. Dowel epoxy-bonding agent.   | 5/08 | 5/13 | Polygem, Inc.<br>P.O. Box 609<br>West Chicago IL 60186<br>(630) 231-5600<br>(630) 231-5604<br><a href="http://www.polygem.com/">http://www.polygem.com/</a>           |
| A-6 | 90-16 | Polyject Epoxy Injection Cartridge | Injection epoxy adhesive. Bonding agent for old to old concrete. Dowel epoxy-bonding agent. | 5/08 | 5/13 | Polygem, Inc.<br>P.O. Box 609<br>West Chicago IL 60186<br>(630) 231-5600<br>(630) 231-5604<br><a href="http://www.polygem.com/">http://www.polygem.com/</a>           |

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|-----|-------|-----------------------------------|--|------|------|---|
| A-6 | 00-04 | Powers Chem-Stud Anchoring System | A self-contained, pre-measured, spin-in style glass capsule adhesive system used for anchoring threaded rod and reinforcing bars into solid concrete and masonry.  | 5/08 | 5/13 | Powers Fasteners, Inc.<br>2 Powers Lane<br>Brewster NY 10509<br>(914) 235-6300<br>(914) 235-1913 – FAX<br><a href="http://www.powers.com">http://www.powers.com</a> |
| A-6 | 00-03 | Powers AC 100 PLUS Adhesive       | A two component, fast setting, high-strength structural adhesive system for anchoring threaded rods, bolts, reinforcing bars, and smooth dowels. Suitable for concrete, masonry, and stone base materials.   | 5/08 | 5/13 | Powers Fasteners, Inc.<br>2 Powers Lane<br>Brewster NY 10509<br>(914) 235-6300<br>(914) 235-1913 – FAX<br><a href="http://www.powers.com">http://www.powers.com</a> |
| A-6 | 00-05 | Powers Hammer-Capsule             | A self contained, pre-measured, hammer-in glass capsule adhesive system used for anchoring threaded rods and reinforcing bars into solid concrete and masonry base materials. Chisel pointed anchoring materials and spinning action are not required. | 5/08 | 5/13 | Powers Fasteners, Inc.<br>2 Powers Lane<br>Brewster NY 10509<br>(914) 235-6300<br>(914) 235-1913 – FAX<br><a href="http://www.powers.com">http://www.powers.com</a> |
| A-6 | 91-41 | Power Fast+ Epoxy Standard Set    | A two component, high-strength structural epoxy system for anchoring threaded rods, bolts, reinforcing bars, and smooth dowels. Suitable for concrete, masonry, and stone base materials.  | 5/08 | 5/13 | Powers Fasteners, Inc.<br>2 Powers Lane<br>Brewster NY 10509<br>(914) 235-6300<br>(914) 235-1913 – FAX<br><a href="http://www.powers.com">http://www.powers.com</a> |
| A-6 | 92-09 | Pro-Poxy 100                      | Low viscosity. Bonding agent for old to new concrete. & bonding old to old concrete. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.  | 5/08 | 5/13 | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-6 | 92-06 | Pro-Poxy 200                      | Medium viscosity. Bonding agent for old to old concrete. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.  | 5/08 | 5/13 | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-6 | 92-05 | Pro-Poxy 300                      | Non-sag viscosity. Bonding agent for old to old conc. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.   | 5/08 | 5/13 | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-6 | 95-13 | Pro-Poxy 300 Fast                 | Non-sag, injectable  | 1/06 | 1/11 | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-6 | 95-09 | Pro-Poxy 50 Super LV              | Low viscosity, high strength, two components, general purpose bonding agent.   | 1/06 | 1/11 | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |

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|-----|-------|---|--|------|------|---|
| A-6 | 91-45 | Prime Gel 2500 Quick Bond                       | Non-sag consistency. Bonding agent for old to old concrete. Dowel epoxy-bonding agent.   | 8/09 | 8/14 | Prime Resins, Inc.<br>2381 Rockaway Industrial Boulevard<br>Conyers GA 30012<br>(800) 321-7212<br>(770) 388-0626<br>(770) 388-0936<br><a href="http://www.primeresins.com/">http://www.primeresins.com/</a> |
| A-6 | 88-22 | Rezi-Weld 1000                                  | Extended pot life, medium viscosity. Dowel epoxy-bonding agent. Bonding agent for old to old concrete. & bonding epoxy mortar to old concrete. | 1/06 | 1/11 | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-6 | 91-46 | Rezi-weld 1000 Multi-purpose Construction Epoxy | Medium viscosity. Bonding agent for old to old concrete. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent.                    | 1/06 | 1/11 | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-6 | 89-55 | Rezi-weld ER-43                                 | Regular viscosity. Dowel epoxy-bonding agent.  | 1/06 | 1/11 | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-6 | 91-47 | Rezi-weld Gel Paste Construction Epoxy          | Non-sag consistency. Bonding agent for old to old concrete. Dowel epoxy-bonding agent.   | 1/06 | 1/11 | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-6 | 86-43 | Rezi-weld Multiple Purpose Epoxy                | Low viscosity. Dowel epoxy-bonding agent. Bonding agent for old to old concrete. & bonding old to new concrete.                                | 1/06 | 1/11 | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-6 | 95-05 | Rezi-Weld Rapid Set Injection Epoxy             | Low viscosity  | 1/06 | 1/11 | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a>                |
| A-6 | 85-25 | Select Bond FS-135                              | Medium viscosity. Bonding agent for old to old concrete. Dowel epoxy-bonding agent.  | 5/08 | 5/13 | Select Products Co.<br>1131 W. Baker Street<br>Costa Mesa, CA 92626<br>(714) 429-0808<br>(714) 429-1881 - Fax   |

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|-----|-------|------------------------|--|-------|-------|--|
| A-6 | 84-63 | Select Bond GP-1000    | Regular viscosity epoxy. Dowel epoxy-bonding agent.  | 5/08  | 5/13  | Select Products Co.<br>1131 W. Baker Street<br>Costa Mesa, CA 92626<br>(714) 429-0808<br>(714) 429-1881 - Fax  |
| A-6 | 84-62 | Select Bond GP-2000    | Low viscosity epoxy. Dowel epoxy-bonding agent.  | 5/08  | 5/13  | Select Products Co.<br>1131 W. Baker Street<br>Costa Mesa, CA 92626<br>(714) 429-0808<br>(714) 429-1881 - Fax  |
| A-6 | 03106 | Sikadur Anchor Fix – 2 |  | 11/06 | 11/11 | Sika Corporation<br>2925 East Riggs Road, #8 PMB 181<br>Chandler AZ 85249<br>(480) 883-7626  |
| A-6 | 02096 | Sikadur Anchor Fix – 3 |  | 11/06 | 11/11 | Sika Corporation<br>2925 East Riggs Road, #8 PMB 181<br>Chandler AZ 85249<br>(480) 883-7626  |
| A-6 | 03082 | Sikadur Anchor Fix – 4 |  | 11/06 | 11/11 | Sika Corporation<br>2925 East Riggs Road, #8 PMB 181<br>Chandler AZ 85249<br>(480) 883-7626  |
| A-6 | 83-29 | Sikadur 21 Lo-Mod LV   | Low viscosity not to be under vehicle traffic. Bonding agent for old to new concrete. Dowel epoxy-bonding agent.                           | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| A-6 | 83-27 | Sikadur 31 Hi-Mod Gel  | High viscosity or non-sag. Dowel epoxy-bonding agent. Bonding agent for old to old concrete.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| A-6 | 83-28 | Sikadur 32 Hi-Mod      | Regular viscosity. Bonding agent for old to new concrete. Dowel epoxy-bonding agent.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| A-6 | 90-06 | Sikadur 32 Hi-Mod LPL  | Regular viscosity-slow set time. Bonding agent for old to old concrete. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |

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| A-6 | 83-31 | Sikadur 52            | Injection resin epoxy. Crack-sealing injection. Dowel epoxy-bonding agent.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>  |
| A-6 | 88-16 | Sikadur Injection Gel | Non-sag consistency. Crack-sealing injection & bonding agent for old to old concrete.  | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>  |
| A-6 | 99-03 | Spec-Bond 50          | Low viscosity epoxy adhesive.  | 11/05 | 11/10 | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-6 | 93-43 | Spec-Bond 100         | Medium viscosity. Bonding agent for old to new concrete. Dowel epoxy-bonding agent.  | 4/08  | 4/13  | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-6 | 92-23 | Spec-Bond 200         | Non-sag viscosity. Bonding agent for old to new concrete. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 4/08  | 4/13  | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-6 | 99-03 | Spec-Bond 50          | Low viscosity epoxy adhesive.  | 11/05 | 11/10 | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| A-6 | 91-44 | Speed Bond #1         | Non-sag consistency. Bonding agent for old to old concrete. Dowel epoxy-bonding agent.                                       | 8/09  | 8/14  | Prime Resins, Inc.<br>2381 Rockaway Industrial Boulevard<br>Conyers GA 30012<br>(800) 321-7212<br>(770) 388-0626<br>(770) 388-0936<br><a href="http://www.primeresins.com/">http://www.primeresins.com/</a>   |
| A-6 | 92-70 | Sure-Anchor Epoxy     | Non-sag viscosity. Bonding agent for old to old concrete. & bonding epoxy mortar to old concrete. Dowel epoxy-bonding agent. | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City Kansas 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |

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| A-6 | 96-39 | Sure-Anchor I (J-51)  | Dowel bonding agent – epoxy.  | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City Kansas 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| A-6 | 98-12 | Unitex Pro-Poxy 100LV   | General-purpose epoxy for crack grouting.                                     | 5/08  | 5/13  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-6 | 97-22 | Unitex Pro-Poxy 200   | Medium viscosity epoxy adhesive.  | 5/08  | 5/13  | Unitex<br>3101 Gardner Avenue<br>Kansas City MO 64120-1804<br>(816) 231-7700<br>(816) 483-3149 – Fax  |
| A-6 | 95-10 | Ultrabond 3 (Ultrabond QC; Ultrabond Quick Cure)                | Dowel system  | 11/05 | 11/10 | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>   |
| A-6 | 09107 | Ultrabond 365   | Dowel system  | 12/09 | 12/13 | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2499 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>   |
| A-6 | 02001 | Ultrabond 1100  | Bonding agent for concrete to concrete.<br>Dowel and anchoring epoxy as well. | 9/09  | 9/14  | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>   |
| A-6 | 95-11 | Ultrabond 1300<br>(Ultrabond AT;<br>Ultrabond Accelerated Time) | Dowel system  | 11/05 | 11/10 | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>   |
| A-6 | 95-12 | Ultrabond 2200<br>(Ultrabond ET;<br>Ultrabond Extended Time)    | Dowel system  | 11/05 | 11/10 | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a>   |

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| A-6 | 02008 | Ultrabond 2300 |  | 9/09 | 9/14 | Adhesives Technology Corp<br>450 E Copans Road<br>Pompano Beach FL 33064<br>(800) 892-1880<br>(954) 782-2776 – Fax<br><a href="http://www.atc.ws">http://www.atc.ws</a> |
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**Category: B – Aggregates**

|          | B-1 – Special<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

**Category: C – Barriers, Fencing and Roadside Structures**

|          | C-1 – Proprietary MSE Walls<br>ADOT Specifications: See ADOT Specific Requirements<br>ADOT Drawings: See ADOT Specific Requirements<br>Responsible Section: Materials Group |                              |  |               |                |  |
|----------|---|------------------------------|--|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                      | Notes  | Approval Date | Recertify Date | Manufacturer   |
| C-1      | 09111   | Allan Block                  | See ADOT Specific Requirements at<br><a href="http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/AllanBlock.pdf">http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/AllanBlock.pdf</a>                                   | 12/09         | 12/14          | AZ Block Company<br>9311 North Casa Grande Highway<br>Tucson AZ 85743<br>Tel. – 520-744-3890<br>Fax – 520-744-2577                   |
| C-1      | 09112   | MESA Block                   | See ADOT Specific Requirements at<br><a href="http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/TENSAR_MESA.pdf">http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/TENSAR_MESA.pdf</a>                                 | 12/09         | 12/14          | Tensar International Corporation<br>5883 Glenridge Drive, Suite 200<br>Atlanta GA 30328<br>Tel. – 888-828-5126<br>Fax – 404-250-0461 |
| C-1      | 98058   | MSE Plus Concrete Panel Wall | See ADOT Specific Requirements at<br><a href="http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/SSL_MSE_Plus_Concrete_Panel.pdf">http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/SSL_MSE_Plus_Concrete_Panel.pdf</a> | 12/09         | 12/14          | SSL, LLC<br>4740 Scotts Valley Drive, Suite E<br>Scotts Valley CA 95066<br>Tel. – 831-430-9300<br>Fax – 831-430-9300                 |
| C-1      | 99112   | MSE Plus Welded Wire Wall    | See ADOT Specific Requirements at<br><a href="http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/SSL_MSE_Plus_Welded_Wire.pdf">http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/SSL_MSE_Plus_Welded_Wire.pdf</a>       | 12/09         | 12/14          | SSL, LLC<br>4740 Scotts Valley Drive, Suite E<br>Scotts Valley CA 95066<br>Tel. – 831-430-9300<br>Fax – 831-430-9340                 |

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|-----|-------|--------------------|--|-------|-------|--|
| C-1 | 06102 | Sundance Redi-Rock | See ADOT Specific Requirements at<br><a href="http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/Redi-Rock.pdf">http://mpd.azdot.gov/TPD/ATRC/pride/ADOT-MSE_Walls/Redi-Rock.pdf</a> | 12/09 | 12/14 | Sundance Redi-Rock, LLC<br>677 North Apache Drive<br>Dewey AZ 86327<br>Tel. – 928-759-2700<br>Fax – 928-759-2607 |
|-----|-------|--------------------|--|-------|-------|--|

**Category: D – Bituminous Materials and Additives**

| <b>Category</b> | D-1 – Anti-stripping Agent<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                      |                       |                          |                           |  |
|-----------------|--|----------------------|-----------------------|--------------------------|---------------------------|--|
|                 | <b>ID/Rpt.<br/>No.</b>   | <b>Product</b>       | <b>Notes</b>          | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>  |
| D-1             | 90-39  | Kling Beta-2550-(HM) | Anti-stripping agent. | 4/03                     | 10/13                     | Akzo Nobel Surface Chemistry, LLC<br>525 W. Van Buren St.<br>Chicago IL 60607-3823<br>(312) 544 – 7046   |
| D-1             | 92-73  | Kling Beta 2700      |                       | 4/03                     | 10/13                     | Akzo Nobel Surface Chemistry, LLC<br>525 W. Van Buren St.<br>Chicago IL 60607-3823<br>(312) 544 – 7046   |
| D-1             | 90-38  | Perma-Tac Plus       | Anti-stripping agent  | 4/03                     | 10/13                     | Akzo Nobel Surface Chemistry, LLC<br>525 W. Van Buren St.<br>Chicago IL 60607-3823<br>(312) 544 – 7046   |
| D-1             | 92-72  | Redicote 95S         | Anti-stripping agent. | 4/03                     | 10/13                     | Akzo Nobel Surface Chemistry, LLC<br>525 W. Van Buren St.<br>Chicago IL 60607-3823<br>(312) 544 – 7046   |
| D-1             | 91-39  | Unichem 8161™        | Anti-stripping agent. | 9/09                     | 9/14                      | BJ Chemical Services<br>A Division of BJ Services Company, U.S.A.<br>P.O. Box 755<br>Casper WY 82602<br>(307) 235-5906<br>(307) 235-4074 – Fax |
| D-1             | 91-40  | Unichem 8162™        | Anti-stripping agent. | 9/09                     | 9/14                      | BJ Chemical Services<br>A Division of BJ Services Company, U.S.A.<br>P.O. Box 755<br>Casper WY 82602<br>(307) 235-5906<br>(307) 235-4074 – Fax |
| D-1             | 91-60  | Unichem 8169™        | Anti-stripping agent. | 9/09                     | 9/14                      | BJ Chemical Services<br>A Division of BJ Services Company, U.S.A.<br>P.O. Box 755<br>Casper WY 82602<br>(307) 235-5906<br>(307) 235-4074 – Fax |

**Category: E – Bituminous Rejuvenators & Preservative Materials**

| E-1 – Regular<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |         |       |               |                |              |
|---|-------------|---------|-------|---------------|----------------|--------------|
| Category  | ID/Rpt. No. | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|   |             |         |       |               |                |              |

**Category: F – Culverts and Drainage Structures**

| F-1 – Catch Basin, Median Dyke<br><a href="http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design/Mfrapp_Drawings/Precast_Concrete_Misc_Structures/Index.asp">http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design/Mfrapp_Drawings/Precast_Concrete_Misc_Structures/Index.asp</a><br>ADOT Specifications: 503, 106.14<br>ADOT Drawings: C-15.90 available at:<br><a href="http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design//Construction_Standards/Drawings_Current/PDF/2007ConstructionStandardDrawings.pdf">http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design//Construction_Standards/Drawings_Current/PDF/2007ConstructionStandardDrawings.pdf</a><br>Responsible Section: Roadway Engineering |             |                                     |   |               |                |   |
|--|-------------|-------------------------------------|---|---------------|----------------|---|
| Category   | ID/Rpt. No. | Product                             | Notes   | Approval Date | Recertify Date | Manufacturer  |
| F-1  |             | ADOT CB C-15.90 Mod 12-16-08        | May be used per Std. Spec 106.14, PRIDE Approval pending    |               |                | US Concrete Precast Group<br>2410 W. Broadway Rd.<br>Phoenix AZ 85041<br>(602) 305 - 2189       |
| F-1  | 02129       | Nyloplast Storm Drainage Structures |   | 6/06          | 6/11           | Nyloplast –ADS<br>3130 Verona Ave.<br>Buford GA 30518<br>(801) 638-2000<br>(801) 294-6874 – Fax |
| F-1  |             | U-9900-1 10-08-03                   | May be used per Std. Spec. 106.14. updated drawings pending |               |                | Utility Vault / Oldcastle Precast<br>P.O. Box 610<br>Chandler AZ 85244<br>(480) 963 - 2678      |

| F-2 – Catch Basins, Median Flush<br><a href="http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design/Mfrapp_Drawings/Precast_Concrete_Misc_Structures/Index.asp">http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design/Mfrapp_Drawings/Precast_Concrete_Misc_Structures/Index.asp</a><br>ADOT Specifications: 503, 106.14<br>ADOT Drawings: C-15.80 available at:<br><a href="http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design//Construction_Standards/Drawings_Current/PDF/2007ConstructionStandardDrawings.pdf">http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design//Construction_Standards/Drawings_Current/PDF/2007ConstructionStandardDrawings.pdf</a><br>Responsible Section: Roadway Engineering |             |         |       |               |                |              |
|--|-------------|---------|-------|---------------|----------------|--------------|
| Category   | ID/Rpt. No. | Product | Notes | Approval Date | Recertify Date | Manufacturer |

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|-----|-------|--|---|------|------|---|
| F-2 |       | ADOT Catch Basin<br>C-15.18, 12-19-08  | May be used per Std. Spec. 106.14, PRIDE approval pending       |      |      | U.S. Concrete Precast Group<br>2410 W. Broadway Rd.<br>Phoenix AZ 85041<br>(602) 305 – 2189     |
| F-2 |       | ADOT C-15.80 PC<br>Grate, 12-16-08     | May be used per Std. Spec. 106.14, PRIDE approval Pending       |      |      | U.S. Concrete Precast Group<br>2410 W. Broadway Rd.<br>Phoenix AZ 85041<br>(602) 305 – 2189     |
| F-2 | 02129 | Nyloplast Storm<br>Drainage Structures |   | 6/06 | 6/11 | Nyloplast –ADS<br>3130 Verona Ave.<br>Buford GA 30518<br>(801) 638-2000<br>(801) 294-6874 – Fax |
| F-2 |       | U1100-1<br>10-08-03                    | May be used per Std. Spec. 106.14,<br>Updated drawings pending. |      |      | Utility Vault / Oldcastle Precast<br>P.O. Box 610<br>Chandler AZ 85244<br>(480) 963 - 2678      |

|          | <p>F-6 – Cattle Guards Foundation<br/> <a href="http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design/Mfrapp_Drawings/Precast_Concrete_Misc_Structures/Index.asp">http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design/Mfrapp_Drawings/Precast_Concrete_Misc_Structures/Index.asp</a></p> <p>ADOT Specifications: 906, 106.14<br/>           ADOT Drawings: C-11.10 available at:<br/> <a href="http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design//Construction_Standards/Drawings_Current/PDF/2007ConstructionStandardDrawings.pdf">http://www.azdot.gov/highways/Roadway_Engineering/Roadway_Design//Construction_Standards/Drawings_Current/PDF/2007ConstructionStandardDrawings.pdf</a></p> <p>Responsible Section: Roadway Engineering</p> |            |            |                  |                   |  |
|----------|---|------------|------------|------------------|-------------------|--|
| Category | ID/Rpt.<br>No.  | Product    | Notes      | Approval<br>Date | Recertify<br>Date | Manufacturer   |
| F-6      |   | ADOT - CGF | 5 Drawings | 1/09             | 1/14              | U.S. Concrete, Precast Group<br>2410 W. Broadway Rd.<br>Phoenix AZ 85041<br>(602) 305 – 2189 |

|          | <p>F-7 – Locking Wire Fasteners<br/>           ADOT Specifications: None<br/>           ADOT Drawings: None<br/>           Responsible Section: Roadway Engineering</p> |                                   |                                |                  |                   |  |
|----------|---|-----------------------------------|--------------------------------|------------------|-------------------|--|
| Category | ID/Rpt.<br>No.  | Product                           | Notes                          | Approval<br>Date | Recertify<br>Date | Manufacturer   |
| F-7      | 98-33   | 11G40 High Tensile<br>Gabion Ring | Overlapping ring wire fastener | 9/09             | 9/14              | King Hughes Fasteners Corp.<br>PO Box 98<br>550 Fourth Street<br>Imlay City MI 48444<br>(810) 721-0300<br>(810) 721-0400 – Fax<br><a href="http://www.hogrings.com">www.hogrings.com</a> |

|          | <p>F-8 – Drainage Pipe Liner – High Density Polyethylene</p> <p>ADOT Specifications: AASHTO M252 (3-10 in. diameter); AASHTO M294 (12-60 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter) and 435400C (12-60 in. diameter)</p> <p>ADOT Drawings: None</p> <p>Responsible Section: Roadway Design Section</p> |                         |   |               |                |   |
|----------|---|-------------------------|---|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                 | Notes   | Approval Date | Recertify Date | Manufacturer  |
| F-8      | 01077   | Culvert Renew           | Available at 10", 12", 15", 18", 21", 24", 27", 30", 36", 40", 42" and 48" I.D. | 11/05         | 11/10          | Poly Systems, Inc.<br>P.O. Box 1157<br>Steelville MO 65565<br>(800) 829-3904  |
| F-8      | 06018   | SNAP-TITE Culvert Liner |   | 9/07          | 9/12           | ISCO Industries, LLC<br>926 Baxter Avenue<br>Louisville KY 40204<br>(502) 649-8015<br>(502) 568-4032<br><a href="http://www.culvert-rehab.com">www.culvert-rehab.com</a>                    |
| F-8      | 08045   | DuroMaxx                | Approved for up to 60 inch diameter pipe only                                   | 8/09          | 8/14           | Contech Construction Products, Inc.<br>4625 C Industrial Way<br>Kingman AZ 86401<br>(623) 935-7118<br>(623) 0935-6100 – Fax<br><a href="http://www.contech-cpi.com">www.contech-cpi.com</a> |
| F-8      | 10020   | Weholite                | Temporarily approved for use up to 60 inch pipe diameter only                   | 3/10          | 3/11           | KWH Pipe<br>6507 Mississauga Road<br>Mississauga, Ontario, Canada L5N 1A6<br>(905) 858-0206<br>(905) 858-0208<br><a href="http://www.kwhpipe.ca">www.kwhpipe.ca</a>                         |

|          | <p>F-9 – Non-perforated Drainage Plastic Tubing – Corrugated, Type C, High Density Polyethylene</p> <p>ADOT Specifications: 501-3.03(G) &amp; 1010-8; AASHTO M252 (3-10 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter)</p> <p>ADOT Drawings: None</p> <p>Responsible Section: Roadway Design Section</p> |                             |  |               |                |   |
|----------|---|-----------------------------|--|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                     | Notes  | Approval Date | Recertify Date | Manufacturer  |
| F-9      |   | AASHTO Grade ADS and Hancor | At 4", 6", 8", or 10" I.D. Single Wall Corrugated Pipe<br>Factory Markings, for example:<br>"A/H 8" I.D. AASHTO M252"<br>ADS brand denoted by green stripe; Hancor brand denoted by blue stripe.<br><br>No water resistant or watertight joint available that meets ADOT 1010-8. | 6/99          | 6/04           | Advanced Drainage Systems, Inc.<br>4640 Trueman Blvd.<br>Hilliard, Ohio 43026<br>(800) 733-4646 |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  | <p>F-10 – Non-perforated Drainage Plastic Tubing – Corrugated, Type S, High Density Polyethylene</p> <p>ADOT Specifications: 501-3.03(G) &amp; 1010-8; AASHTO M252 (3-10 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter)</p> <p>ADOT Drawings: None</p> <p>Responsible Section: Roadway Design Section</p> |  |  |  |  |  |
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| <b>Category</b> | <b>ID/Rpt. No.</b> | <b>Product</b>                | <b>Notes</b>   | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b>  |
|-----------------|--------------------|-------------------------------|--|----------------------|-----------------------|--|
| F-10            | 01120              | N-12<br>N-12 Pro Link<br>Hi-Q | At 4", 6", 8", or 10" I.D. Smoother Interior Pipe<br>Factory Markings, for example:<br>"A/H 8" I.D. AASHTO M252"<br>ADS brand denoted by green stripe; Hancor brand denoted by blue stripe.<br><br>Includes split couplings and soil-tight (ST) or watertight (WT) gasketed integral joints that comply with ASTM D3212. | 12/05                | 12/10                 | Advanced Drainage Systems, Inc.<br>4640 Trueman Blvd.<br>Hilliard OH 43026<br>(800) 733-4646 |

|                 | F-11 – Non-perforated Drainage Plastic Pipe- Corrugated, Type C, High Density Polyethylene<br>ADOT Specifications: 501-3.03(G) & 1010-8; AASHTO M252 (3-10 in. diameter); AASHTO M294 (12-60 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter) and 435400C (12-60 in. diameter)<br>ADOT Drawings: None<br>Responsible Section: Roadway Design Section |   |  |                      |                       |  |
|-----------------|---|---|--|----------------------|-----------------------|--|
| <b>Category</b> | <b>ID/Rpt. No.</b>  | <b>Product</b>                                    | <b>Notes</b>   | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b>  |
| F-11            |   | ADS/Single wall highway<br><br>Hancor/AASHTO pipe | 4" - 24" I.D. single wall corrugated pipe.<br>Factory markings for example: A 8" I.D. AASHTO M252<br>ADS/Hancor brand denoted with a dual stripe, one blue and one green. Joints to be made with split or snap couplings, meeting the soil tight requirements of AASHTO M252 and M294. | 9/09                 | 9/14                  | Advanced Drainage Systems, Inc.<br>4640 Trueman Blvd.<br>Hilliard OH 43026<br>(800) 733-4646<br><a href="http://www.ads-pipe.com">www.ads-pipe.com</a> |

|                 | F-12 – Non-perforated Drainage Plastic Pipe- Corrugated, Type S, High Density Polyethylene<br>ADOT Specifications: 501-3.03(G) & 1010-8; AASHTO M252 (3-10 in. diameter); AASHTO M294 (12-60 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter) and 435400C (12-60 in. diameter)<br>ADOT Drawings: None<br>Responsible Section: Roadway Design Section |                |   |                      |                       |   |
|-----------------|---|----------------|---|----------------------|-----------------------|---|
| <b>Category</b> | <b>ID/Rpt. No.</b>  | <b>Product</b> | <b>Notes</b>                                  | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b>   |
| F-12            | 08045   | DuroMaxx       | Approved for up to 60 inch diameter pipe only | 8/09                 | 8/14                  | Contech Construction Products, Inc.<br>4625 C Industrial Way<br>Kingman AZ 86401<br>(623) 935-7118<br>(623) 0935-6100 – Fax<br><a href="http://www.contech-cpi.com">www.contech-cpi.com</a> |

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| F-12 | 98032<br>00040<br>00041<br>00042<br>00043<br>00044<br>00045<br>01010<br>01011<br>01012<br>01013<br>01014<br>01120<br>01021<br>04015<br>07075 | ADS/ N12 IBST (integral bell soil tight)<br><br>Hancor/Sure-Lok | Soil tight joints:<br>4" – 60" I.D., dual wall, smooth interior and annular exterior corrugations, joints to be bell and spigot. Factory markings for example: ADS 12" I.D. AASHTO M252 or M294.<br><br>ADS/Hancor brand denoted with a dual stripe, one blue and one green. Joints to be either soil or water tight.                                      | 9/09 | 9/14 | Advanced Drainage Systems, Inc.<br>4640 Truemans Blvd.<br>Hilliard OH 43026<br>(800) 733-4646<br><a href="http://www.ads-pipe.com">www.ads-pipe.com</a> |
| F-12 | 99044  | ADS/Plain end<br><br>Hancor/Hi-Q                                | Soil tight joints:<br>4" – 60" I.D., dual wall, smooth interior and annular exterior corrugations, joints to be joined with coupling bands. Factory markings for example: ADS 12" I.D. AASHTO M252 or M294.<br><br>ADS/Hancor brand denoted with a dual stripe, one blue and one green. Joints to be either soil or water tight.                           | 9/09 | 9/14 | Advanced Drainage Systems, Inc.<br>4640 Truemans Blvd.<br>Hilliard OH 43026<br>(800) 733-4646<br><a href="http://www.ads-pipe.com">www.ads-pipe.com</a> |
| F-12 | 98056  | ADS/N12 IBWT (integral bell water tight)<br><br>Hancor/BlueSeal | Water tight joints:<br>4" – 60" I.D., dual wall, smooth interior and annular exterior corrugations, joints to be bell and spigot. Factory markings for example: ADS 12" I.D. AASHTO M252 or M294.<br><br>ADS/Hancor brand denoted with a dual stripe, one blue and one green. Joints to be either soil or water tight.                                     | 9/09 | 9/14 | Advanced Drainage Systems, Inc.<br>4640 Truemans Blvd.<br>Hilliard OH 43026<br>(800) 733-4646<br><a href="http://www.ads-pipe.com">www.ads-pipe.com</a> |
| F-12 | 01070<br>01071<br>01072  | ADS/N12 WT 35 Series<br><br>Hancor/BlueSeal 35 Series           | Water tight joints:<br>4" – 60" I.D., dual wall, smooth interior and annular exterior corrugations, joints to be joined with the BlueSeals or N12 WT series 35 joint. Factory markings for example: ADS 12" I.D. AASHTO M252 or M294.<br><br>ADS/Hancor brand denoted with a dual stripe, one blue and one green. Joints to be either soil or water tight. | 9/09 | 9/14 | Advanced Drainage Systems, Inc.<br>4640 Truemans Blvd.<br>Hilliard OH 43026<br>(800) 733-4646<br><a href="http://www.ads-pipe.com">www.ads-pipe.com</a> |
| F-12 | 08001  | GoldFlo WT  | Sizes:<br>12", 15", 18", 24", 30", 36", 42", 48"<br>Meets NTPEP certification  | 5/09 | 5/14 | Prinsco Incorporated<br>111 E. Pine St.<br>Chatsworth IL<br>(815) 635-3131<br><a href="http://www.prinsco.com/">http://www.prinsco.com/</a>             |

|          | F-13 – Perforated Drainage Plastic Tubing – Corrugated, Type C, High Density Polyethylene<br>ADOT Specifications: 501-3.03(G) & 1010-8; AASHTO M252 (3-10 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter)<br>ADOT Drawings: None<br>Responsible Section: Roadway Design Section |                   |  |               |                |  |
|----------|---|-------------------|--|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product           | Notes  | Approval Date | Recertify Date | Manufacturer   |
| F-13     |   | AASHTO Grade      | At 4", 6", 8", or 10" I.D.<br>Factory Markings, for example:<br>"ADS 8" I.D. AASHTO M252"<br><br>Split Couplings available for all sizes.            | 6/99          | 6/04           | Advanced Drainage Systems, Inc.<br>4640 Trueman Blvd.<br>Hilliard OH 43026<br>(800) 733-4646 |
| F-13     |   | Heavy Duty AASHTO | At 3", 4", 6", 8", or 10" I.D.<br>Factory Markings:<br>"HANCOR"<br>"Diameter (inches)"<br>"AASHTO M252"<br><br>Silt Resistance Joints for all sizes. | 12/05         | 12/10          | Hancor, Inc.<br>140 Vineland<br>Bakersfield CA 93307<br>(800) 892-3351                       |

|          | F-14 – Perforated Drainage Plastic Tubing – Corrugated, Type S, High Density Polyethylene<br>ADOT Specifications: 501-3.03(G) & 1010-8; AASHTO M252 (3-10 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter)<br>ADOT Drawings: None<br>Responsible Section: Roadway Design Section |         |  |               |                |  |
|----------|---|---------|--|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product | Notes  | Approval Date | Recertify Date | Manufacturer   |
| F-14     |   | Hi-Q    | At 4", 6", 8", or 10" I.D.<br>Factory Markings:<br>"HANCOR"<br>"Diameter (inches)"<br>"AASHTO M252"<br><br>Silt Resistance Joints for all sizes. | 12/05         | 12/10          | Hancor, Inc.<br>140 Vineland<br>Bakersfield CA 93307<br>(800) 892-3351                       |
| F-14     |   | N-12    | At 4", 6", 8", or 10" I.D.<br>Factory Markings, for example:<br>"ADS 8" I.D. AASHTO M252"<br><br>Split couplings available for all sizes.        | 6/99          | 6/04           | Advanced Drainage Systems, Inc.<br>4640 Trueman Blvd.<br>Hilliard OH 43026<br>(800) 733-4646 |

|          | F-15 – Perforated Drainage Plastic Pipe- Corrugated, Type C, High Density Polyethylene<br>ADOT Specifications: 501-3.03(G) & 1010-8; AASHTO M252 (3-10 in. diameter); AASHTO M294 (12-60 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter) and 435400C (12-60 in. diameter)<br>ADOT Drawings: None<br>Responsible Section: Roadway Design Section |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

|      |  |  |   |      |      |  |
|------|--|--|---|------|------|--|
| F-15 |  | ADS/N12 IBST (can use N12 IBWT)<br><br>Hancor/Sure-lok | Perforations shall meet the requirements of AASHTO M252 and M294<br>4" – 60" I.D., dual wall, smooth interior and annular exterior corrugations, joints to be bell and spigot. Factory markings for example: ADS 12" I.D. AASHTO M252 or M294.<br>ADS/Hancor brand denoted with a dual stripe, one blue and one green. Joints to be either soil or water tight. | 9/09 | 9/14 | Advanced Drainage Systems, Inc.<br>4640 Trueman Blvd.<br>Hilliard OH 43026<br>(800) 733-4646<br><a href="http://www.ads-pipe.com">www.ads-pipe.com</a> |
|------|--|--|---|------|------|--|

|          | F-16 – Perforated Drainage Plastic Pipe- Corrugated, Type S, High Density Polyethylene<br>ADOT Specifications: 501-3.03(G) & 1010-8; AASHTO M252 (3-10 in. diameter); AASHTO M294 (12-60 in. diameter); ASTM D3350 Cell Classification 424420C (4-10 in. diameter) and 435400C (12-60 in. diameter)<br>ADOT Drawings: None<br>Responsible Section: Roadway Design Section |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

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|------|--|---|---|------|------|--|
| F-16 |  | ADS/Single wall<br><br>Hancor/AASHTO pipe | Perforations shall meet the requirements of AASHTO M252 and M294<br>4" - 24" I.D. single wall corrugated pipe.<br>Factory markings for example: A 8" I.D.<br>AASHTO M252<br>ADS/Hancor brand denoted with a dual stripe, one blue and one green. Joints to be made with split or snap couplings, meeting the soil tight requirements of AASHTO M252 and M294. | 9/09 | 9/14 | Advanced Drainage Systems, Inc.<br>4640 Trueman Blvd.<br>Hilliard OH 43026<br>(800) 733-4646<br><a href="http://www.ads-pipe.com">www.ads-pipe.com</a> |
|------|--|---|---|------|------|--|

|          | F-17 – Line Drain<br>ADOT Specifications: PRIDE Pipe Committee Approval (602) 712-3134 *Includes slotted drain products other than covered by Standard Drawing C-13.60<br>ADOT Drawings: None<br>Responsible Section: Roadway Drainage Design Section |                  |  |               |                |  |
|----------|---|------------------|--|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product          | Notes  | Approval Date | Recertify Date | Manufacturer   |
| F-17     | 96050   | Poly Drain       | For special applications only when shown on the project plans. | 12/05         | 12/10          | ABT<br>P.O. Box 837<br>259 Mudrock Road<br>Troutman NC 28166<br>(704) 528-9806<br>(704) 528-5478-Fax |
| F-17     | 02061   | S100K Powerdrain | For special applications only when shown on the project plans. | 5/08          | 5/13           | ACO Polymer Products, Inc.<br>P.O. Box 12067<br>Casa Grande AZ 85230<br>(888) 490-9552               |
| F-17     | 02064   | S300K Powerdrain | For special applications only when shown on the project plans. | 5/08          | 5/13           | ACO Polymer Products, Inc.<br>P.O. Box 12067<br>Casa Grande AZ 85230<br>(888) 490-9552               |

|      |       |                         |  |      |      |  |
|------|-------|-------------------------|--|------|------|--|
| F-17 | 05048 | Z-888 Grated Line Drain | For special applications only when shown on the project plans. | 9/07 | 9/12 | Zurn Industries<br>2640 South Work Street<br>Falconer NY 14733<br>(602) 684-9162<br>(602) 268-5188 - Fax |
|------|-------|-------------------------|--|------|------|--|

**Category: G – De-icing Chemicals**

| G-1 – Regular<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |         |       |               |                |              |
|---|-------------|---------|-------|---------------|----------------|--------------|
| Category  | ID/Rpt. No. | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|   |             |         |       |               |                |              |

**Category: H – Joint Sealers and Fillers**

| H-1 – Backer Rod – Regular<br>ADOT Specifications: 402-6.03(E)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |         |       |               |                |              |
|---|-------------|---------|-------|---------------|----------------|--------------|
| Category  | ID/Rpt. No. | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|   |             |         |       |               |                |              |

| H-2 – Backer Rod – Wide Joint<br>ADOT Specifications: ASTM D3204<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |         |       |               |                |              |
|---|-------------|---------|-------|---------------|----------------|--------------|
| Category  | ID/Rpt. No. | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|   |             |         |       |               |                |              |

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|-----|-------|--|--|------|------|--|
| H-2 | 84-10 | Sealtight Pressure Relief Joint Material | Preformed polyethylene foam used in pressure relief joint. | 1/06 | 1/11 | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a> |
|-----|-------|--|--|------|------|--|

|          | H-3 – Joint Sealant – Hot Pour<br>ADOT Specifications: 1011-3<br>ADOT Drawings: None<br>Responsible Section: Materials Group |  |       |               |                |  |
|----------|--|--|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product  | Notes | Approval Date | Recertify Date | Manufacturer   |
| H-3      | 06010  | Fibrecrete B   |       | 6/07          | 6/12           | Fibrecrete Technologies, LLC<br>PO Box 6007<br>Mount Airy NC 27030<br>(336) 786-8244<br>(336) 786-7425 – Fax |
| H-3      | 06017  | RoadSaver 221  |       | 4/08          | 4/13           | Crafco, Inc.<br>420 N. Roosevelt Avenue<br>Chandler AZ 85226<br>(800) 528-8242<br>(480) 961-0513 – Fax       |
| H-3      |  | Superseal 444/777<br>(a.k.a. Superseal 777 or Superseal 444) |       | 4/08          | 4/13           | Crafco, Inc.<br>420 N. Roosevelt Avenue<br>Chandler AZ 85226<br>(800) 528-8242<br>(480) 961-0513 – Fax       |

|          | H-4 – Joint Sealant – Silicone for 3/8 Inch Joints<br>ADOT Specifications: 1011-8<br>ADOT Drawings: None<br>Responsible Section: Materials Group |   |  |               |                |  |
|----------|--|---|--|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                                   | Notes  | Approval Date | Recertify Date | Manufacturer   |
| H-4      | 84020  | Dow Corning 888<br>Silicone Joint Sealant | Joints in P.C.C.P. as a standard. The joint sealants are to be evaluated for acceptance on an individual lot-testing basis. Tooling is required. | 9/04          | 3/15           | Dow Corning Corporation<br>12081 W Alameda PKWY #421<br>Lakewood, CO 80228<br>(303) 980-1780<br>(303) 980-1789 – Fax<br><a href="http://www.dowcorning.com">www.dowcorning.com</a> |
| H-4      | 02023  | Pecora 301 Silicone Pavement Sealant      |  | 2/06          | 2/11           | Pecora Corporation<br>165 Wambold Road<br>Harleysville PA19438<br>(215) 799-7520<br>(215) 721-0286 – Fax   |

|     |       |                  |  |       |       |  |
|-----|-------|------------------|--|-------|-------|--|
| H-4 | 88008 | Roadsaver 902-NS | Joints in P.C.C.P. as a standard. The joint sealants are to be evaluated for acceptance on an individual lot-testing basis. Tooling is required. | 2/08  | 2/13  | Crafco, Inc.<br>420 N. Roosevelt Avenue<br>Chandler AZ 85226<br>(800) 528-8242<br>(480) 961-0513 – Fax<br><a href="http://www.crafco.com">www.crafco.com</a> |
| H-4 | 02122 | Spectrem 800     |  | 12/05 | 12/10 | Tremco, Inc.<br>3735 Green Road<br>Beachwood OH 44122<br>216-766-5608<br>216-766-5335-Fax  |

|          | H-5 – Joint Sealant – Silicone for 1/8 Inch Joints<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |   |  |               |                |  |
|----------|--|---|--|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product   | Notes  | Approval Date | Recertify Date | Manufacturer   |
| H-5      |  | Dow Corning 890 SL<br>Self-Leveling Silicone<br>Joint Sealant | Joints in P.C.C.P. as a standard. The joint sealants are to be evaluated for acceptance on an individual lot-testing basis. Tooling is required. | 9/04          | 3/15           | Dow Corning Corporation<br>12081 W Alameda PKWY #421<br>Lakewood, CO 80228<br>(303) 980-1780<br>(303) 980-1789 – Fax<br><a href="http://www.dowcorning.com">www.dowcorning.com</a> |
| H-5      | 95118  | Roadsaver 903-SL  | Joints in P.C.C.P. as a standard. The joint sealants are to be evaluated for acceptance on an individual lot-testing basis. Tooling is required. | 7/05          | 7/10           | Crafco, Inc.<br>420 N. Roosevelt Avenue<br>Chandler AZ 85226<br>(800) 528-8242<br>(480) 961-0513 – Fax   |

#### Category: I – Soil Reinforcement and Geosynthetics

|          | I-1 – Bank Protection Fabric<br>ADOT Specifications: 1014-5<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                |                        |               |                |  |
|----------|--|----------------|------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product        | Notes                  | Approval Date | Recertify Date | Manufacturer   |
| I-1      | 08011  | 180EX          |                        | 5/09          | 5/14           | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675   |
| I-1      | 96-02  | Contech C80-NW | Bank protection fabric | 9/09          | 9/14           | Contech Construction Products, Inc.<br>P.O. Box 65<br>El Mirage AZ 85335<br>(623) 935-7118<br><a href="http://www.contech-cpi.com">www.contech-cpi.com</a> |

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|-----|-------|---|--|-------|-------|---|
| I-1 | 03108 | EcoBerm and EcoBlanket Compost Material |  | 8/09  | 8/14  | Rexius, Inc<br>1275 Bailey Hill Rd.<br>Eugene OR 97402<br>(541) 335-8021<br>(541) 343-4802 – Fax  |
| I-1 | 98-21 | FX-70CF                                 | Non-woven geotextile   | 9/03  | 9/08  | Carthage Mills<br>4243 Hunt Road<br>Cincinnati OH 45242<br>(800) 543-4430<br>(513) 794-3434 – Fax<br><a href="http://www.carthagemills.com">www.carthagemills.com</a> |
| I-1 | 98-22 | FX-80HS                                 | Non-woven geotextile   | 9/09  | 9/14  | Carthage Mills<br>4243 Hunt Road<br>Cincinnati OH 45242<br>(800) 543-4430<br>(513) 794-3434 – Fax<br><a href="http://www.carthagemills.com">www.carthagemills.com</a> |
| I-1 | 93-65 | GEOTEX 801                              |  | 11/05 | 11/10 | SI Geosolutions<br>4019 Industry Drive<br>Chattanooga TN 37416<br>(800) 621-1273<br>(423) 899-7619 – Fax  |
| I-1 | 91-48 | Mirafi 1120 N                           | Separation or drainage filter fabric. Bank protection fabric, needle punched non-woven polypropylene fabric. Also see 91-53. | 4/08  | 4/13  | TenCate Mirafi<br>365 S. Holland Drive<br>Pendergrass GA 30567<br>(888) 795-0808<br>Fax: (706) 693-4400   |
| I-1 | 91-30 | Mirafi 180 N                            | Separation or drainage filter fabric, non-woven polypropylene fabric.  | 4/08  | 4/13  | TenCate Mirafi<br>365 S. Holland Drive<br>Pendergrass GA 30567<br>(888) 795-0808<br>Fax: (706) 693-4400   |
| I-1 | 90-76 | Polyfelt TG 700                         | Separation and filtration drainage blanket.  | 4/03  | 4/08  | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 – Fax  |
| I-1 | 90-73 | Polyfelt TG 800                         | Separation and filtration drainage blanket.  | 4/03  | 4/08  | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 – Fax  |
| I-1 | 99-09 | TerraTex N08                            | Non-woven pavement seal coating.   | 9/09  | 9/14  | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a>    |

|          | I-2 – Geocomposite Edge Drain System<br>ADOT Specifications: 1014-7<br>ADOT Drawings: None<br>Responsible Section: Materials Group |   |                          |               |                |  |
|----------|--|---|--------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                                   | Notes                    | Approval Date | Recertify Date | Manufacturer   |
| I-2      | 06106  | SITEDRAIN Strip Drain 6400                |                          | 8/09          | 8/14           | American Wick Drain Corporation<br>1209 Airport Rd.<br>Monroe NC 28110<br>(704) 238-9200<br>(704) 238-0220 – Fax   |
| I-2      | 94-23<br>93115   | Drain Away – High Flow Highway Edge Drain |                          | 5/08          | 5/13           | Drainage Products, Inc.<br>383 S. Main St.<br>Windsor Locks CT 06096<br>(860) 668-5108<br>(860) 623-2560 – Fax   |
| I-2      | 91-63  | Stripdrain 80                             | Geocomposite edge drain. | 9/09          | 9/14           | Contech Construction Products, Inc.<br>P.O. Box 65<br>El Mirage AZ 85335<br>(623) 935-7118<br><a href="http://www.contech-cpi.com">www.contech-cpi.com</a> |

|          | I-3 – Geocomposite Wall Drain System<br>ADOT Specifications: 1014-6<br>ADOT Drawings: None<br>Responsible Section: Materials Group |   |                          |               |                |   |
|----------|--|---|--------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product   | Notes                    | Approval Date | Recertify Date | Manufacturer  |
| I-3      | 97-15<br>97019   | SITEDRAIN Sheet Drain 94                                      | Geocomposite wall drain. | 02/08         | 02/13          | American Wick Drain<br>1209 Airport Rd.<br>Monroe NC 28110<br>(704) 238-9200  |
| I-3      | 97-15<br>97066   | SITEDRAIN Sheet Drain 184                                     | Geocomposite wall drain. | 02/08         | 02/13          | American Wick Drain<br>1209 Airport Road<br>Monroe NC 28110<br>(704) 238-9200   |
| I-3      | 91-27  | Battle Drain  |                          | 1/06          | 1/11           | LINQ Industrial Fabrics, Inc.<br>2550 West Fifth North St.<br>Summerville SC 29483-9699<br>(800) 445-4675<br>(843) 875-8276 – Fax |
| I-3      | 94-24  | Drain Away – Prefabricated Structural Drain                   |                          | 5/08          | 5/13           | Drainage Products, Inc.<br>383 S. Main St.<br>Windsor Locks CT 06096<br>(860) 668-5108<br>(860) 623-2560 – Fax                    |
| I-3      | 91-62  | Evergreen Technologies<br>Drainage Composite DC 4100 – TG 600 |                          | 4/04          | 4/09           | Tenax Corporation<br>4800 East Monument St.<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 – Fax                       |

|     |       |  |                          |      |       |   |
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| I-3 | 91-62 | Evergreen Technologies<br>Drainage Composite DC<br>4100 – TG 700 |                          | 4/04 | 4/09  | Tenax Corporation<br>4800 East Monument St.<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 – Fax               |
| I-3 | 92-15 | Evergreen Technologies<br>Drainage Composite DC<br>4200 – TG 600 |                          | 4/04 | 4/09  | Tenax Corporation<br>4800 East Monument St.<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 – Fax               |
| I-3 | 92-15 | Evergreen Technologies<br>Drainage Composite DC<br>4200 – TG 700 |                          | 4/04 | 4/09  | Tenax Corporation<br>4800 East Monument St.<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 – Fax               |
| I-3 | 91-32 | Greenstreak Sheet<br>Drain                                       |                          | 5/08 | 5/13  | Greenstreak, Inc.<br>3400 Tree Court Industrial Blvd.<br>St. Louis MO 63122-6689<br>(800) 225-9404                        |
| I-3 | 91-33 | Greenstreak Sheet<br>Drain HS                                    |                          | 5/08 | 5/13  | Greenstreak, Inc.<br>3400 Tree Court Industrial Blvd.<br>St. Louis MO 63122-6689<br>(800) 225-9404                        |
| I-3 | 91-31 | J-Drain 300  |                          | 4/03 | 11/14 | JDR Enterprises, Inc.<br>292 S Main Street, Suite 200<br>Alpharetta GA 30004-1950<br>(800) 843-7569<br>(770) 664-7951     |
| I-3 | 05029 | Sealtight Mel Drain<br>5012                                      | Geocomposite wall drain. | 2/08 | 2/13  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Avenue<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 - Fax |
| I-3 | 05029 | Sealtight Mel Drain<br>5035                                      | Geocomposite wall drain. | 2/08 | 2/13  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Avenue<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 - Fax |

|          | I-4 – Geogrid (single layer only)<br>ADOT Specifications: 1014-3<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |                  |                   |              |
|----------|---|---------|-------|------------------|-------------------|--------------|
| Category | ID/Rpt.<br>No.  | Product | Notes | Approval<br>Date | Recertify<br>Date | Manufacturer |

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|-----|-------|------------------------|--|------|------|--|
| I-4 | 08027 | Tenax MS220 B          | Conditional approval while tests are conducted by ADOT Materials Group | 9/09 | 9/10 | Tenax Corporation<br>6161 Denslow Way<br>Sacramento CA 95823<br>(916) 393-1111<br>(916) 393-1113 – Fax<br><a href="http://www.tenaxus.com">www.tenaxus.com</a>     |
| I-4 | 91-61 | Tensar Geogrid BX 1100 |  | 5/08 | 5/13 | The Tensar Corporation<br>1210 Citizen's Parkway<br>Morrow GA 30260<br>(770) 968-3255<br>(770) 960-1734 – Fax  |
| I-4 | 06042 | Tensar BX1200 (SS-2)   |  | 8/09 | 8/14 | Tensar Earth Technologies, Inc.<br>9601 Timp View Dr.<br>Eagle Mountain UT 84043<br>(801) 789-5407<br>(801) 789-5408 – Fax   |
| I-4 | 06039 | TerraGrid 100          |  | 9/09 | 9/14 | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a> |

| I-5 – Separation Geotextile Fabric (Low Survivability)<br>ADOT Specifications: 1014-4.01<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |            |       |               |                |   |
|---|-------------|------------|-------|---------------|----------------|---|
| Category  | ID/Rpt. No. | Product    | Notes | Approval Date | Recertify Date | Manufacturer  |
| I-5   | 08010       | 125EX      |       | 6/09          | 6/14           | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675                    |
| I-5   | 93-64A      | GEOTEX 351 |       | 11/05         | 11/10          | SI Geosolutions<br>4019 Industry Drive<br>Chattanooga TN 37416<br>(800) 621-1273<br>(423) 899-7619 -Fax |
| I-5   | 93-62       | GEOTEX 401 |       | 11/05         | 11/10          | SI Geosolutions<br>4019 Industry Drive<br>Chattanooga TN 37416<br>(800) 621-1273<br>(423) 899-7619 -Fax |
| I-5   | 08002       | GTF 150    |       | 6/09          | 6/14           | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675                    |

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| I-5 | 93-75          | Propex 4545  |   | 1/06  | 1/11  | Propex Fabrics Inc.<br>260 The Bluffs<br>Austell GA 30168<br>(800) 445-7732<br>(770) 944-4584 – Fax  |
| I-5 | 91-29          | Mirafi 140 NL  | Separation or drainage filter fabric, non-woven polypropylene fabric.     | 4/08  | 4/13  | TenCate Mirafi<br>365 S. Holland Drive<br>Pendergrass GA 30567<br>(888) 795-0808<br>Fax: (706) 693-4400  |
| I-5 | 91-25          | Polyfelt TG 420  | Separation or drainage filter fabric, non-woven polypropylene geotextile. | 4/03  | 4/08  | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 – Fax   |
| I-5 | 90-74          | Polyfelt TG 500  | Separation and filtration drainage blanket.                               | 4/03  | 4/08  | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 - Fax   |
| I-5 | 98-07          | TerraTex N04   | Non-woven geotextile.   | 9/09  | 9/14  | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a>                                     |
| I-5 | 97-24<br>97043 | TNS R035   | A non-woven polypropylene geotextile.                                     | 4/03  | 10/13 | TNS Advanced Technologies<br>Crown Resources, LLC<br>681 DeYoung Rd.<br>Greer SC 29651<br>(864) 968-0594<br>(864) 879-4639 – Fax<br><a href="http://www.crownresources.net">www.crownresources.net</a> |
| I-5 | 97-25<br>97044 | TNS R040   | A non-woven polypropylene geotextile.                                     | 4/03  | 10/13 | TNS Advanced Technologies<br>Crown Resources, LLC<br>681 DeYoung Rd.<br>Greer SC 29651<br>(864) 968-0594<br>(864) 879-4639 – Fax<br><a href="http://www.crownresources.net">www.crownresources.net</a> |
| I-5 | 91-77          | Trevira Spunbond<br>Engineering Fabric<br>Trevira 1114 | Separation or drainage filter fabric.                                     | 5/08  | 5/13  | Johns Manville Corporation<br>P.O. Box 5650<br>Spartanburg SC 29304<br>(864) 579-8200  |
| I-5 | 07059          | US 90 NW   |   | 08/08 | 08/13 | US Fabrics Inc.<br>3904 Virginia Ave.<br>Cincinnati OH 45227<br>(513) 271-6000<br>(513) 271-4522 – Fax   |

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| I-5 | 07061 | US 300 NW |  | 08/08 | 08/13 | US Fabrics Inc.<br>3904 Virginia Ave.<br>Cincinnati OH 45227<br>(513) 271-6000<br>(513) 271-4522 – Fax |
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| I-6 – Separation Geotextile Fabric (Moderate Survivability)<br>ADOT Specifications: 1014-4.02<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |                 |   |               |                |  |
|--|-------------|-----------------|---|---------------|----------------|--|
| Category   | ID/Rpt. No. | Product         | Notes   | Approval Date | Recertify Date | Manufacturer   |
| I-6  | 08009       | 150EX           |   | 5/09          | 5/14           | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675   |
| I-6  | 98-26       | FX-50HS         | Non-woven separation geotextile.                  | 9/03          | 9/08           | Carthage Mills<br>4243 Hunt Road<br>Cincinnati OH 45242<br>(800) 543-4430<br>(513) 794-3434 – Fax  |
| I-6  | 93-61       | GEOTEX 601      |   | 11/05         | 11/10          | SI Geosolutions<br>4019 Industry Drive<br>Chattanooga TN 37416<br>(800) 621-1273<br>(423) 899-7619 -Fax  |
| I-6  | 08003       | GTF 200         |   | 6/09          | 6/14           | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675   |
| I-6  | 90-75       | Polyfelt TG 600 | Separation and filtration drainage blanket.       | 4/03          | 4/08           | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 - Fax   |
| I-6  | 99-08       | TerraTex GS     | Separation, stabilization, embankment protection. | 9/09          | 9/14           | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a> |
| I-6  | 98-06       | TerraTex N06    | Non-woven geotextile.                             | 9/09          | 9/14           | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a> |

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| I-6 | 98-08          | TerraTex OL | Non-woven geotextile.                 | 9/09 | 9/14  | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a>                                     |
| I-6 | 97-27<br>97043 | TNS R060    | A non-woven polypropylene geotextile. | 4/03 | 10/13 | TNS Advanced Technologies<br>Crown Resources, LLC<br>681 DeYoung Rd.<br>Greer SC 29651<br>(864) 968-0594<br>(864) 879-4639 – Fax<br><a href="http://www.crownresources.net">www.crownresources.net</a> |
| I-6 | 97-28<br>97046 | TNS R070    | A non-woven polypropylene geotextile. | 4/03 | 10/13 | TNS Advanced Technologies<br>Crown Resources, LLC<br>681 DeYoung Rd.<br>Greer SC 29651<br>(864) 968-0594<br>(864) 879-4639 – Fax<br><a href="http://www.crownresources.net">www.crownresources.net</a> |

|          | I-7 – Separation Geotextile Fabric (High Survivability)<br>ADOT Specifications: 1014-4.03<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                |                         |               |                |   |
|----------|--|----------------|-------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product        | Notes                   | Approval Date | Recertify Date | Manufacturer  |
| I-7      | 08011  | 180EX          |                         | 5/09          | 5/14           | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675  |
| I-7      | 96-02  | Contech C80-NW | Bank protection fabric. | 9/09          | 9/14           | Contech Construction Products, Inc.<br>P.O. Box 65<br>El Mirage AZ 85335<br>(623) 935-7118<br><a href="http://www.contech-cpi.com">www.contech-cpi.com</a>            |
| I-7      | 98-23  | FX-80HS        | Non-woven geotextile.   | 9/09          | 9/14           | Carthage Mills<br>4243 Hunt Road<br>Cincinnati OH 45242<br>(800) 543-4430<br>(513) 794-3434 – Fax<br><a href="http://www.carthagemills.com">www.carthagemills.com</a> |
| I-7      | 93-65  | GEOTEX 801     |                         | 11/05         | 11/10          | SI Geosolutions<br>4019 Industry Drive<br>Chattanooga TN 37416<br>(800) 621-1273<br>(423) 899-7619 -Fax   |
| I-7      | 08004  | GTF 270        |                         | 6/09          | 6/14           | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675  |

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| I-7 | 08005          | GTF 300  |  | 6/09 | 6/14  | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675   |
| I-7 | 91-48          | Mirafi 1120 N  | Separation or drainage filter fabric. Bank protection fabric, needle punched non-woven polypropylene fabric. Also see 91-53. | 4/08 | 4/13  | TenCate Mirafi<br>365 S. Holland Drive<br>Pendergrass GA 30567<br>(888) 795-0808<br>Fax: (706) 693-4400  |
| I-7 | 91-30          | Mirafi 180 N   | Separation or drainage filter fabric, non-woven polypropylene fabric.  | 4/08 | 4/13  | TenCate Mirafi<br>365 S. Holland Drive<br>Pendergrass GA 30567<br>(888) 795-0808<br>Fax: (706) 693-4400  |
| I-7 | 90-76          | Polyfelt TG 700  | Separation and filtration drainage blanket.  | 4/03 | 4/08  | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 - Fax   |
| I-7 | 98-10          | TerraTex HD  | Woven geotextile.  | 9/09 | 9/14  | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a>                                     |
| I-7 | 97-26<br>97047 | TNS R080   | A non-woven polypropylene geotextile.  | 4/03 | 10/13 | TNS Advanced Technologies<br>Crown Resources, LLC<br>681 DeYoung Rd.<br>Greer SC 29651<br>(864) 968-0594<br>(864) 879-4639 – Fax<br><a href="http://www.crownresources.net">www.crownresources.net</a> |
| I-7 | 99-10          | TerraTex N08   | Separation, stabilization, embankment.   | 9/09 | 9/14  | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a>                                     |
| I-7 | 91-72          | Trevira Spunbond<br>Engineering Fabric<br>Trevira 1125 | Stabilization, separation or drainage filter fabric.   | 5/08 | 5/13  | Johns Manville Corporation<br>P.O. Box 5650<br>Spartanburg SC 29304<br>(864) 579-8200  |

|          | I-8 – Separation Geotextile Fabric (Very High Survivability)<br>ADOT Specifications: 1014-4.04<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

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| I-8 | 08008 | 250EX   |  | 5/09  | 5/14  | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675   |
| I-8 | 93-87 | CEF 4512(previously<br>CEF 4555A)                   |  | 1/06  | 1/11  | Propex Fabrics Inc.<br>260 The Bluffs<br>Austell GA 30168<br>(800) 445-7732<br>(770) 944-4584 – Fax  |
| I-8 | 93-63 | GEOTEX 1201   |  | 11/05 | 11/10 | SI Geosolutions<br>4019 Industry Drive<br>Chattanooga TN 37416<br>(800) 621-1273<br>(423) 899-7619 -Fax  |
| I-8 | 08006 | GTF 350   |  | 6/09  | 6/14  | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675   |
| I-8 | 91-53 | Mirafi 1120 N                                       | Separation or drainage filter fabric. Bank protection fabric, needle punched non-woven polypropylene fabric. Also see 91-48. | 4/08  | 4/13  | TenCate Mirafi<br>365 S. Holland Drive<br>Pendergrass GA 30567<br>(888) 795-0808<br>Fax: (706) 693-4400  |
| I-8 | 90-73 | Polyfelt TG 800                                     | Separation and filtration drainage blanket.  | 4/03  | 4/08  | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 - Fax   |
| I-8 | 99-11 | ProPex 4512 Non-Woven                               | Separation   | 1/06  | 1/11  | Propex Fabrics Inc.<br>260 The Bluffs<br>Austell GA 30168<br>(800) 445-7732<br>(770) 944-4584 – Fax  |
| I-8 | 98-09 | TerraTex N10  | Non-woven geotextile.  | 9/09  | 9/14  | Hanes Geo Components<br>815 Buxton St.<br>Winston-Salem NC 27101<br>(336) 747-1600<br>(336) 747-1652 FAX<br><a href="http://www.hanesgeo.com">www.hanesgeo.com</a> |
| I-8 | 91-73 | Trevira Spunbond Engineering Fabric<br>Trevira 1135 | Stabilization, separation or drainage filter fabric.   | 5/08  | 5/13  | Johns Manville Corporation<br>P.O. Box 5650<br>Spartanburg SC 29304<br>(864) 579-8200  |
| I-8 | 07061 | US 300 NW   |  | 08/08 | 08/13 | US Fabrics Inc.<br>3904 Virginia Ave.<br>Cincinnati OH 45227<br>(513) 271-6000<br>(513) 271-4522 – Fax   |

|          | I-9 – Geomembrane – Impervious<br>ADOT Specifications: GEOM208, Stored<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

**Category: J – Patching Materials**

|          | J-1 – Non-shrink grout<br>ADOT Specifications: Corps of Engineers Specification CRD C-621<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                          |  |               |                |   |
|----------|--|--------------------------|--|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product                  | Notes  | Approval Date | Recertify Date | Manufacturer  |
| J-1      | 97-14  | 1107 Advantage Grout     | Non-shrink grout.  | 4/08          | 4/13           | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 - Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| J-1      | 02013  | Atlas Construction Grout |  | 8/09          | 8/14           | Atlas Tech Products<br>1611 S. 27 <sup>th</sup> Ave.<br>Phoenix AZ 85009<br>(602) 256-0600<br>(602) 256-0687 - Fax  |
| J-1      | 94-02  | Conpatch V/O             | One component, polymer modified cement based, non-shrink grout for vertical and overhead applications. | 8/09          | 8/14           | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| J-1      | 93-26  | Conspec #100 Grout       | Non-shrink, non-metallic grout.  | 4/08          | 4/13           | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| J-1      | 90-52  | Enduro 50                | Structural concrete-patching bond agent to old concrete; non-shrink grout.                             | 4/08          | 4/13           | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |

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| J-1 | 97-10 | Construction Grout   | Non-shrink grout. | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| J-1 | 92-01 | Crystex              |                   | 4/08  | 4/13  | L & M Construction Chemicals<br>14851 Calhoun Road<br>Omaha NE 68152<br>(800) 362-3331<br>(402) 453-0244 – Fax<br><a href="http://www.lmcc.com/">http://www.lmcc.com/</a>               |
| J-1 | 88-21 | Dur-O-Wal CP-20      |                   | 4/00  | 4/05  | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>                    |
| J-1 | 89-15 | DuragROUT            |                   | 4/08  | 4/13  | L & M Construction Chemicals<br>14851 Calhoun Road<br>Omaha NE 68152<br>(800) 362-3331<br>(402) 453-0244 – Fax<br><a href="http://www.lmcc.com/">http://www.lmcc.com/</a>               |
| J-1 | 89-05 | Embeco 636 Plus      |                   | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| J-1 | 89-40 | Embeco 885 Grout     |                   | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| J-1 | 90-65 | Euco NS Grout        |                   | 3/04  | 3/15  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| J-1 | 04077 | Hi-Flow Grout        |                   | 11/06 | 11/11 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| J-1 | 89-41 | Masterflow 928 Grout |                   | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |

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| J-1 | 89-09 | Masterflow 713 Plus                                |  | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-1 | 92-36 | Pro Grout 90                                       |  | 4/00  | 4/05  | C. G. M., Inc.<br>P.O. Box 413<br>Bensalem PA 19020<br>(215) 638-4400<br>(215) 638-7949 – Fax  |
| J-1 | 07020 | Quikrete Commercial Grade Fastset Non-shrink Grout | May be used for grouting anchor bolts, reinforcing steel, steel column bases, bearing plates, and other installation that require high, early and ultimate strength. As a repair material it can be used to make repairs to concrete surfaces. | 12/07 | 12/12 | The Quikrete Companies<br>500 Marathon Parkway<br>Lawrenceville GA 30045<br>(770) 216-9580<br>(770) 237-2548 – FAX<br><a href="http://www.quikrete.com">www.quikrete.com</a>                       |
| J-1 | 07022 | Quikrete Non-Shrink General Purpose Grout          | Used for grouting of steel columns, bearing plates, precast concrete, and anchors.   | 12/07 | 12/12 | The Quikrete Companies<br>500 Marathon Parkway<br>Lawrenceville GA 30045<br>(770) 216-9580<br>(770) 237-2548 – FAX<br><a href="http://www.quikrete.com">www.quikrete.com</a>                       |
| J-1 | 90-45 | Rapid Set Cement                                   | Structural concrete patching bond agent for to old concrete, non-shrink grout.   | 5/08  | 5/13  | CTS Cement Manufacturing Co.<br>11065 Knott Ave.<br>Suite A<br>Cypress CA 90630<br>(800) 929-3030 Technical Hotline<br>(800) 523-6368 Order Desk   |
| J-1 | 90-46 | Rapid Set Cement All                               | Structural conc. patching bond to old conc., non-shrink grout.   | 5/08  | 5/13  | CTS Cement Manufacturing Co.<br>11065 Knott Ave.<br>Suite A<br>Cypress CA 90630<br>(800) 929-3030 Technical Hotline<br>(800) 523-6368 Order Desk   |
| J-1 | 89-11 | SikaGrout 212                                      | Structural concrete-patching bond to old concrete, non-shrink grout.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                     |
| J-1 | 94-03 | Special Patch                                      | Two components, cement based, non-shrink grout for patching and leveling.  | 8/09  | 8/14  | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |

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| J-1 | 89-52 | Speed Crete Red Line                                    |  | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>   |
| J-1 | 89-14 | Speed Crete Green Line                                  |  | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>   |
| J-1 | 88-31 | Sure-Grip Utility Grout                                 |  | 4/08 | 4/13 | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| J-1 | 89-53 | Dayton Multipurpose<br>Grout                            |  | 4/08 | 4/13 | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| J-1 | 91-98 | Tammsgrount Supreme                                     |  | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>   |
| J-1 | 92-53 | Thoroc HF Precision<br>Grout<br>(formerly Conbextra HE) |  | 1/04 | 1/09 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| J-1 | 92-52 | ThoRoc S Grout  |  | 1/04 | 1/09 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| J-1 | 03100 | US SPEC G.P. Grout                                      |  | 8/08 | 8/13 | US Mix Products Co.<br>112 S. Santa Fe Dr.<br>Denver CO 80223<br>(303) 778-7227<br>(303) 722-8426 – Fax   |

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| J-1 | 03101 | US SPEC MP Grout |  | 8/08 | 8/13 | US Mix Products Co.<br>112 S. Santa Fe Dr.<br>Denver CO 80223<br>(303) 778-7227<br>(303) 722-8426 – Fax |
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| <p>J-2 – Portland Cement Concrete Pavement (PCCP) Patching<br/>         ADOT Specifications: 402-2.02<br/>         ADOT Drawings: None<br/>         Responsible Section: Materials Group</p> |             |   |   |               |                |   |
|--|-------------|---|---|---------------|----------------|---|
| Category   | ID/Rpt. No. | Product   | Notes   | Approval Date | Recertify Date | Manufacturer  |
| J-2  | 05025       | Atlas E-Pro Patch   | Approved for use under ADOT Specification 403-2.02(D) | 3/07          | 3/12           | Atlas Tech Products<br>4640 Brunell Street<br>San Diego CA 92111<br>(858) 277-2100<br>(858) 277-0585 - Fax  |
| J-2  | 86-25 03095 | Durapatch Hiway   | Structural concrete patching bond to old concrete.    | 4/08          | 4/13           | L & M Construction Chemicals<br>14851 Calhoun Road<br>Omaha NE 68152<br>(800) 362-3331<br>(402) 453-0244 – Fax<br><a href="http://www.lmcc.com/">http://www.lmcc.com/</a>               |
| J-2  | 04076       | Euco Rapid Patch HE                                       |   | 11/06         | 11/11          | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| J-2  | 86056       | MC 64   | Rapid set epoxy.                                      | 3/03          | 3/08           | HC Epoxy Co.<br>862 E. 19 <sup>th</sup> St.<br>Tucson AZ 85719<br>(520) 624-7929  |
| J-2  | 03119       | NC Grout  |   | 11/06         | 11/11          | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| J-2  | 07023       | Quikrete Commercial Grade Fastset Concrete Mix (#1004-51) |   | 12/07         | 12/12          | The Quikrete Companies<br>500 Marathon Parkway<br>Lawrenceville GA 30045<br>(770) 216-9580<br>(770) 237-2548 – FAX<br><a href="http://www.quikrete.com">www.quikrete.com</a>            |
| J-2  | 03104       | Sikaset Roadway Patch 2000                                |   | 6/06          | 6/11           | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                          |

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| J-2 | 03105 | Sika Quick 2500                        |   | 6/06 | 6/11 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-2 | 92-54 | ThoRoc 10-60 (formerly Patchroc 10-60) | Structural concrete patching bond agent for old concrete, one component cementitious repair mortar. | 1/04 | 1/09 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |

| J-3 – Structural Concrete Patching<br>ADOT Specifications: ASTM C882<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |   |   |               |                |  |
|---|-------------|---|---|---------------|----------------|--|
| Category  | ID/Rpt. No. | Product   | Notes   | Approval Date | Recertify Date | Manufacturer   |
| J-3   | 96-44       | 14K HY Flow Grout   | Structural concrete patching.   | 1/04          | 1/09           | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3   | 02014       | Atlas Tech Dot Patch  |   | 8/09          | 8/14           | Atlas Tech Products<br>1611 S. 27 <sup>th</sup> Ave.<br>Phoenix AZ 85009<br>(602) 256-0600<br>(602) 256-0687 - Fax   |
| J-3   | 85-11       | Burke Fast Patch 928  | Structural concrete patching expansion by autoclave.                        | 8/09          | 8/14           | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| J-3   | 83-69       | Burke Non-ferrous   | Structural concrete patching expansion by autoclave. Non-shrink grout.      | 8/09          | 8/14           | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| J-3   | 92-11       | Burke Skimcrete   | Low strength concrete patching bond to old concrete. For cosmetic use only. | 8/09          | 8/14           | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| J-3   | 85-17       | Burkepoxy LV (Thin Liquid) (formerly Burke 881 LPL Topping & Crack Grout) | Low viscosity. Bonding old to old concrete & patching concrete surfaces.    | 8/09          | 8/14           | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |

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| J-3 | 92-01 | Crystex         | Structural concrete patching bond for old concrete; non-shrink grout.           | 4/08  | 4/13  | L & M Construction Chemicals<br>14851 Calhoun Road<br>Omaha NE 68152<br>(800) 362-3331<br>(402) 453-0244 – Fax<br><a href="http://www.lmcc.com/">http://www.lmcc.com/</a>   |
| J-3 | 03018 | Dot Patch HD    |   | 12/05 | 12/10 | Symons Corporation<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>866-329-4806<br>913-279-4806 -Fax   |
| J-3 | 87-04 | DOT Patch HD    | Structural concrete patching bond agent to old concrete.                        | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations<br>Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 - Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| J-3 | 88-21 | Dur-O-Wal CP-20 | Structural concrete patching; non-shrink grout.                                 | 4/00  | 4/05  | Dayton Superior<br>7777 Washington Village Dr., Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a>  |
| J-3 | 89-15 | DuragROUT       | Structural concrete patching bond agent for old concrete; non-shrink grout.     | 4/08  | 5/13  | L & M Construction Chemicals<br>14851 Calhoun Road<br>Omaha NE 68152<br>(800) 362-3331<br>(402) 453-0244 – Fax<br><a href="http://www.lmcc.com/">http://www.lmcc.com/</a>   |
| J-3 | 91-84 | Duraltop Gel    | Low strength concrete patching, bond agent to old concrete, polymer mortar gel. | 1/04  | 1/15  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>   |
| J-3 | 86-25 | Durapatch Hiway | Structural concrete patching bond to old concrete.                              | 5/08  | 5/13  | L & M Construction Chemicals<br>14851 Calhoun Road<br>Omaha NE 68152<br>(800) 362-3331<br>(402) 453-0244 – Fax<br><a href="http://www.lmcc.com/">http://www.lmcc.com/</a>   |
| J-3 | 90-64 | Emaco S 88 CI   | Structural concrete patching bond to old concrete; cement-based mortar.         | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |

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| J-3 | 92-68          | Emaco T 415      | Structural concrete patching bond agent to old concrete; rapid strength repair mortar. | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 95-14<br>94107 | Emaco T430       | Rapid strength repair mortar.  | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 86-07          | Embeco 885 Grout | Structural concrete patching bond agent to old concrete; metallic aggregate.           | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 89-40          | Embeco 885 Grout | Structural concrete patching bond agent to old concrete; non-shrink grout.             | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 89-05          | Embeco 636 Plus  | Structural concrete patching, non-shrink, metallic aggregate grout.                    | 8/08 | 8/13 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 90-52          | Enduro 50        | Structural concrete patching bond agent for old concrete; non-shrink grout.            | 4/08 | 4/13 | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| J-3 | 90-65          | Euco N-S Grout   | Structural concrete patching bond agent to old concrete; non-shrink grout.             | 3/04 | 3/15 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>            |
| J-3 | 90-66          | Euco Verticoat   | Structural concrete patching bond agent to old concrete; polymer-modified mortar.      | 3/04 | 3/15 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>            |
| J-3 | 98-28          | EucoSpeed        | Rapid setting patching mortar.   | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>            |

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| J-3 | 98-28 | EucoSpeed MP  | Magnesium phosphate patching mortar.  | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>            |
| J-3 | 90-67 | Eucocrete   | Structural concrete patching bond agent to old concrete   | 3/04  | 3/15  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>            |
| J-3 | 89-41 | Masterflow 928 Grout                                      | Non-shrink grout (See also Category J-1)  | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 89-09 | Masterflow 713 Plus                                       | Structural concrete patching bond to old concrete; non-shrink grout.  | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 04013 | Maxi-Bond 500 LV  |   | 12/05 | 12/10 | US Mix Products Co.<br>112 South Santa Fe Drive<br>Denver CO 80223<br>303-778-7227<br>303-722-8426-Fax   |
| J-3 | 04053 | PavePatch 3000  | Product was approved in May 2005, recertification was late and was resubmitted under PRIDE ID # 04053 and added to APL. | 6/05  | 6/10  | Conspec by Dayton Superior<br>4226 Kansas Ave.<br>Kansas City KS 66106<br>(866) 329-8724, ext. 25108<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| J-3 | 91-88 | Poly Grout  | Machinery bearing grout bond agent to old concrete; three-component grout.  | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>            |
| J-3 | 92-36 | Pro Grout 90 Non-shrink Grout                             | Structural concrete; patching bond agent to old concrete; non-shrink grout.   | 4/00  | 4/05  | C. G. M., Inc.<br>P. O. Box 413<br>Bensalem PA 19020<br>(215) 638-4400<br>(215) 638-7949 –Fax  |
| J-3 | 07023 | Quikrete Commercial Grade Fastset Concrete Mix (#1004-51) |   | 12/07 | 12/12 | The Quikrete Companies<br>500 Marathon Parkway<br>Lawrenceville GA 30045<br>(770) 216-9580<br>(770) 237-2548 – FAX<br><a href="http://www.quikrete.com">www.quikrete.com</a>                       |

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| J-3 | 90-47<br>93012 | Rapid Set Concrete Mix          | Low strength concrete; patching, bond agent to old concrete.                | 5/08  | 5/13  | CTS Cement Manufacturing Co.<br>11065 Knott Ave.<br>Suite A<br>Cypress CA 90630<br>(800) 929-3030 Technical Hotline<br>(800) 523-6368 Order Desk   |
| J-3 | 90-45          | Rapid Set Cement                | Structural concrete; patching bond agent to old concrete; non-shrink grout. | 5/08  | 5/13  | CTS Cement Manufacturing Co.<br>11065 Knott Ave.<br>Suite A<br>Cypress CA 90630<br>(800) 929-3030 Technical Hotline<br>(800) 523-6368 Order Desk   |
| J-3 | 95-06          | Rapid Set D.O.T. Repair Mix     |   | 5/08  | 5/13  | CTS Cement Manufacturing Co.<br>11065 Knott Ave.<br>Suite A<br>Cypress CA 90630<br>(800) 929-3030 Technical Hotline<br>(800) 523-6368 Order Desk   |
| J-3 | 90-46          | Rapid Set Cement All            | Structural concrete; patching bond agent to old concrete; non-shrink grout. | 5/08  | 5/13  | CTS Cement Manufacturing Co.<br>11065 Knott Ave.<br>Suite A<br>Cypress CA 90630<br>(800) 929-3030 Technical Hotline<br>(800) 523-6368 Order Desk   |
| J-3 | 85-12          | Sealtight Future Concrete Patch | Structural concrete; patching expansion by autoclave.                       | 1/06  | 1/11  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a> |
| J-3 | 86-27          | Set 45, CalTrans Formula        | Structural concrete; patching bond agent to old concrete.                   | 8/08  | 8/13  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 89-47          | Set Grout                       | Structural concrete; patching bond agent to old concrete; non-shrink grout. | 3/03  | 3/08  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 89-11          | SikaGrout 212                   | Structural concrete; patching bond agent to old concrete; non-shrink grout. | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                               |

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| J-3 | 03104 | Sika Quick 2500            |  | 6/06  | 6/11  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-3 | 98-18 | Sika Repair 222            | Patching material.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-3 | 03104 | Sikaset Roadway Patch 2000 |  | 6/06  | 6/11  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-3 | 83-43 | SikaTop 111                | Structural concrete; patching, bond agent to old concrete; self-leveling mortar. | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-3 | 97-19 | SikaTop 111 Plus           | Fast setting, screed mortar plus penetrating corrosion inhibitor.                | 9/09  | 9/14  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-3 | 83-44 | SikaTop 121                | Structural concrete; patching bond agent to old concrete; mortar/binder.         | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-3 | 97-20 | SikaTop 121 Plus           | Leveling and pour sealing mortar with penetrating corrosion inhibitor.           | 9/09  | 9/14  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-3 | 83-45 | SikaTop 122                | Structural concrete; patching bond agent to old concrete; repair mortar.         | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |

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| J-3 | 97-21 | SikaTop 122 Plus  | Fast setting, trowel-grade mortar.   | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                          |
| J-3 | 83-46 | SikaTop 123   | Structural concrete; patching bond agent to old concrete; gel mortar.        | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                          |
| J-3 | 98-17 | SikaTop 123 Plus  | Two component patching material.   | 9/09  | 9/14  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                          |
| J-3 | 97-13 | Sonogrout 10-K  | Non-shrink grout.  | 1/04  | 1/09  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax   |
| J-3 | 89-52 | Speed Crete Red Line  | Structural concrete; patching bond agent to old concrete; non-shrink grout.  | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| J-3 | 89-14 | Speed Crete Green Line  | Non-shrink grout.  | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| J-3 | 93-23 | Sto Overhead Mortar-<br>One Component<br>(Powermix Gel Patch) | One component, polymer-modified cement based, bonding agent to old concrete. | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                          |
| J-3 | 93-22 | Sto Thin Coat Mortar<br>(Powermix Leveler)                    | One component, polymer modified cement based, bond agent to old concrete.    | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                          |

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| J-3 | 93-24 | Sto Trowel-Grade Mortar -One Component (Powermix Patch) | One component, polymer modified cement based, bond agent to old concrete.                    | 12/04 | 12/09 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>   |
| J-3 | 87-07 | Sure-Grip Grout   | Structural concrete; patching bonding agent to old concrete.                                 | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| J-3 | 88-31 | Sure-Grip Utility Grout                                 | Structural concrete; patching non-shrink grout.  | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| J-3 | 89-53 | Dayton Multi-Purpose Grout                              | Structural concrete; patching bond agent to old concrete; non-shrink grout.                  | 4/08  | 4/13  | Dayton Superior Corp., Chemical Operations Specialty Chemical Corp.<br>4226 Kansas Avenue<br>Kansas City KS 66106<br>(913) 233 1750<br>Toll Free (866) 329-8724<br>(913) 279-4806 – Fax<br><a href="http://www.daytonsuperior.com/">http://www.daytonsuperior.com/</a> |
| J-3 | 91-98 | Tammsgrount Supreme                                     | Structural concrete; patching bond agent to old concrete; non-shrink grout.                  | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9596 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| J-3 | 92-54 | ThoRoc 10-60 Rapid Mortar (formerly Patchroc 10-60)     | Structural concrete patching bond to old concrete; one component cementitious repair mortar. | 1/04  | 1/09  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 92-54 | ThoRoc 10-61 Rapid Mortar                               | Structural concrete patching bond to old concrete, one component cementitious repair mortar. | 1/04  | 1/09  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |
| J-3 | 92-53 | Thoroc HF Precision Grout (formerly Conbextra HE)       |  | 1/04  | 1/09  | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax  |

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|-----|-------|--------------------------|---|------|------|---|
| J-3 | 92-55 | ThoRoc HB2 Repair Mortar | Structural concrete; patching bond agent to old concrete; two components polymer modified cementitious. | 1/04 | 1/09 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax |
| J-3 | 90-40 | ThoRoc LA Repair Mortar  | Structural concrete; patching bond agent to old concrete; non-shrink grout.                             | 1/04 | 1/09 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax |
| J-3 | 92-52 | ThoRoc S Grout           | Structural concrete patching bond agent for old concrete, non-shrink grout.                             | 1/04 | 1/09 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax |
| J-3 | 92-57 | ThoRoc SD2 Repair Mortar | Structural concrete; patching bond agent to old concrete; two components polymer modified cementitious. | 1/04 | 1/09 | BASF Construction Chemicals LLC<br>889 Valley Park Drive<br>Shakopee MN 55379<br>(952) 496-6000<br>(952) 496-6069 – Fax |

|          | J-4 – Structural Repair with Shotcrete, Dry Method<br>ADOT Specifications: 912-3.01(A)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |             |       |               |                |  |
|----------|---|-------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product     | Notes | Approval Date | Recertify Date | Manufacturer   |
| J-4      | 90-68   | Sikacem 103 |       | 12/04         | 12/09          | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
| J-4      | 90-69   | Sikacem 133 |       | 12/04         | 12/09          | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |

#### Category: K – Portland Cement Concrete Admixtures

|          | K-1 – Water Reducer - Type A<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
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| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |

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| K-1 | 88-18 | DARACEM-19       | High range. | 9/09 | 9/14 | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>     |
| K-1 | 99-13 | Edecon Chemcon N |             | 5/08 | 5/13 | Concrete Controls<br>19291 Florida Blvd.<br>Albany, Louisiana 70711<br>(225) 567-7142  |
| K-1 | 97-33 | Eucon HC         |             | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-1 | 97-34 | Eucon HW         |             | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-1 | 97-35 | Eucon LR         |             | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-1 | 97-36 | Eucon NR         |             | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>((800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| K-1 | 97-37 | Eucon NW         |             | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-1 | 97-38 | Eucon SP         |             | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |

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| K-1 | 01-01<br>01031 | Eucon SPC       | See also Category K-6.              | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-1 | 97-40          | Eucon X-15      |                                     | 2/04  | 2/15  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-1 | 98-31          | Eucon LW        |                                     | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-1 | 00-13<br>01019 | Eucon X-20      | Mid-range water-reducing admixture. | 1/06  | 1/11  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| K-1 | 04066          | Glenium 3400 NV |                                     | 11/06 | 11/11 | Degussa Admixtures Inc<br>23700 Chagrin Blvd<br>Cleveland OH 44122<br>(216) 839-7072   |
| K-1 | 87-17          | Masterpave      | Normal range.                       | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>      |
| K-1 | 87-16          | Masterpave-N    | Normal range.                       | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>      |
| K-1 | 07102          | MIRA 35         |                                     | 08/08 | 08/13 | W. R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>    |
| K-1 | 03042          | MIRA 85         | Mid-range water reducing admixture  | 9/09  | 9/14  | W. R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>    |

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| K-1 | 07130 | Plastocrete 161                    |               | 08/08 | 08/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                        |
| K-1 | 03083 | PolyHeed 900                       |               | 05/09 | 05/14 | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.bASF-admixtures.com/">http://www.bASF-admixtures.com/</a> |
| K-1 | 97-04 | Pozzolith 200-N                    | Normal range. | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.bASF-admixtures.com/">http://www.bASF-admixtures.com/</a> |
| K-1 | 83-02 | Pozzolith 220 N (a.k.a.<br>LL-819) | Normal range. | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.bASF-admixtures.com/">http://www.bASF-admixtures.com/</a> |
| K-1 | 95-21 | Pozzolith 220-N                    | Normal range. | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.bASF-admixtures.com/">http://www.bASF-admixtures.com/</a> |
| K-1 | 92-41 | Pozzolith 322-N                    | Normal range. | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.bASF-admixtures.com/">http://www.bASF-admixtures.com/</a> |
| K-1 | 95-23 | Pozzolith 80                       | Normal range. | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.bASF-admixtures.com/">http://www.bASF-admixtures.com/</a> |
| K-1 | 05050 | PS 1466                            |               | 3/07  | 3/12  | Degussa Admixtures, Inc<br>23700 Chagrin Blvd<br>Beachwood OH 44122<br>(216) 839-7072<br>(216) 839-8825 – Fax   |
| K-1 | 05016 | Sika ViscoCrete 2100               |               | 2/08  | 2/13  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                        |

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| K-1 | 04070 | WRDA 27         |  | 11/06 | 11/11 | W.R. Grace and Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-1 | 91-52 | WRDA-64, Type A | Normal range.<br>AASHTO total solids: 39.5-44.5% | 9/09  | 9/14  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>   |
| K-1 | 86-31 | WRDA-82         | Normal range.                                    | 9/09  | 9/14  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>   |
| K-1 | 05012 | Zyla 610        |  | 11/06 | 11/11 | W.R. Grace and Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |

|          | K-2 – Retarding - Type B<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                  |                                     |               |                |   |
|----------|--|------------------|-------------------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product          | Notes                               | Approval Date | Recertify Date | Manufacturer  |
| K-2      | 90-56  | Delvo Stabilizer | Set retarder, hydration stabilizer. | 2/08          | 2/13           | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-2      | 86-30  | Pozzolith 100-XR |                                     | 2/08          | 2/13           | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-2      | 97-04  | Pozzolith 200-N  | Normal range.                       | 2/08          | 2/13           | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |

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| K-2 | 92-47 | RECOVER |  | 9/09 | 9/14 | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
|-----|-------|---------|--|------|------|--|

| K-3 – Accelerating - Type C<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                |                   |                           |               |                |   |
|---|----------------|-------------------|---------------------------|---------------|----------------|---|
| Category  | ID/Rpt. No.    | Product           | Notes                     | Approval Date | Recertify Date | Manufacturer  |
| K-3   | 03115          | Accelguard NCA    |                           | 6/06          | 6/11           | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-3231<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| K-3   | 08049          | DARASET 400       |                           | 8/09          | 8/14           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>    |
| K-3   | 83-22<br>93-59 | DCI               | Darex Corrosion Inhibitor | 9/09          | 9/14           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>    |
| K-3   | 01111          | Eucon CIA         |                           | 5/08          | 5/13           | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>     |
| K-3   | 06005          | Gilco Accelerator |                           | 9/07          | 9/12           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge, MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>   |
| K-3   | 94-09          | POLARSET          |                           | 4/03          | 4/08           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>    |

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| K-3 | 97-18 | Pozzolith NC 534 | Accelerating, Type C.   | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-3 | 88-02 | Pozzutec 20      |                         | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-3 | 00-10 | Rheocrete CNI    | Accelerating admixture. | 11/05 | 11/10 | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-3 | 07128 | Sika Set NC      |                         | 08/08 | 08/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                      |

| K-4 – Water Reducing & Retarding - Type D<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                 |                  |                                     |               |                |  |
|---|-----------------|------------------|-------------------------------------|---------------|----------------|--|
| Category  | ID/Rpt. No.     | Product          | Notes                               | Approval Date | Recertify Date | Manufacturer   |
| K-4   | 75-08 and 93-55 | DARATARD 17      |                                     | 9/09          | 9/14           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>     |
| K-4   | 90-56           | Delvo Stabilizer | Set retarder, hydration stabilizer. | 2/08          | 2/13           | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>      |
| K-4   | 99-14           | Edecon RI-L18    |                                     | 5/08          | 5/13           | Concrete Controls<br>19291 Florida Blvd.<br>Albany, Louisiana 70711<br>(225) 567-7142  |
| K-4   | 97-35           | Eucon LR         |                                     | 5/08          | 5/13           | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |

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| K-4 | 97-36          | Eucon NR                        |                              | 5/08 | 5/13 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>          |
| K-4 | 97-39          | Eucon TR                        |                              | 2/04 | 2/15 | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>          |
| K-4 | 01102          | Eucon Retarder 100              |                              | 5/08 | 5/13 | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>               |
| K-4 | 01105          | Eucon WR 91                     |                              | 5/08 | 5/13 | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>               |
| K-4 | 93-36          | Fritz FR-1                      |                              | 2/08 | 2/13 | Fritz-Pak Corporation<br>4821 Eastover Circle<br>Mesquite TX 75149<br>(214) 221-9494<br>(888) 746-4116<br>(214) 349-3182 – Fax<br><a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a> |
| K-4 | 00-09<br>99086 | Fritz-Pak Standard<br>Delay Set | Water-reducing set-retarder. | 2/08 | 2/13 | Fritz-Pak Corporation<br>4821 Eastover Circle<br>Mesquite TX 75149<br>(214) 221-9494<br>(888) 746-4116<br>(214) 349-3182 – Fax<br><a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a> |
| K-4 | 83-17          | Pozzolith-80                    |                              | 9/09 | 9/14 | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>               |
| K-4 | 86-40          | Plastiment                      |                              | 2/08 | 2/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                    |

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| K-4 | 07130 | Plastocrete 161  |               | 08/08 | 08/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                       |
| K-4 | 86-30 | Pozzolith 100-XR |               | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>  |
| K-4 | 97-04 | Pozzolith 200-N  | Normal range. | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>  |
| K-4 | 83-18 | Pozzolith 300-R  |               | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>  |
| K-4 | 92-47 | RECOVER          |               | 9/09  | 9/14  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |

|          | K-5 – Water Reducing & Accelerating - Type E<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                |       |               |                |  |
|----------|--|----------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product        | Notes | Approval Date | Recertify Date | Manufacturer   |
| K-5      | 03115  | Accelguard NCA |       | 6/06          | 6/11           | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-3231<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-5      | 97-32  | Eucon ACN      |       | 2/04          | 2/15           | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a> |
| K-5      | 93-06  | HICO Set 900   |       | 11/05         | 11/10          | Hills Bros. Chemical Co.<br>1675 North Main Street<br>Orange CA 92667  |

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| K-5 | 88-02 | Pozzutec 20  |  | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-5 | 02120 | Pozzutec 20+ |  | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-5 | 07128 | Sika Set NC  |  | 08/08 | 08/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                      |

|          | K-6 – Water Reducing, High Range - Type F<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |           |       |               |                |  |
|----------|---|-----------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes | Approval Date | Recertify Date | Manufacturer   |
| K-6      | 99-18   | ADVA 100  |       | 9/09          | 9/14           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6      | 07032   | ADVA 140M |       | 12/07         | 12/12          | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6      | 03093   | ADVA 170  |       | 3/05          | 3/10           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6      | 07026   | ADVA 190  |       | 12/07         | 12/12          | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |

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| K-6 | 03113 | ADVA Cast 530     |  | 3/05  | 3/10  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6 | 03114 | ADVA CAST 540     |  | 3/05  | 3/10  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6 | 03041 | ADVA Cast 500     |  | 3/05  | 3/10  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6 | 07109 | ADVA Cast 575     |  | 08/08 | 08/13 | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6 | 07033 | ADVA Flex         |  | 12/07 | 12/12 | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6 | 88-18 | DARACEM 19        |  | 9/09  | 9/14  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-6 | 99-15 | Edecon Chemwet FP |  | 5/08  | 5/13  | Concrete Controls<br>19291 Florida Blvd.<br>Albany, Louisiana 70711<br>(225) 567-7142  |
| K-6 | 01110 | Eucon 37          |  | 5/08  | 5/13  | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |

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| K-6 | 01108 | Eucon 1037      |                                     | 5/08  | 5/13  | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>             |
| K-6 | 01107 | Eucon A+        |                                     | 5/08  | 5/13  | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>             |
| K-6 | 01109 | Eucon MR        |                                     | 5/08  | 5/13  | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>             |
| K-6 | 97-38 | Eucon SP        |                                     | 5/08  | 5/13  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>        |
| K-6 | 00-13 | Eucon X-20      | Mid-range water-reducing admixture. | 1/06  | 1/11  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>        |
| K-6 | 01114 | Glenium 3000 NS |                                     | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>             |
| K-6 | 01113 | Glenium 3030 NS |                                     | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>             |
| K-6 | 07031 | Glenium 7101    |                                     | 12/07 | 12/12 | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122<br>(216) 839-7072<br>(216) 829-8821 – FAX<br><a href="http://www.bASF-admixtures.com">www.bASF-admixtures.com</a> |

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| K-6 | 07063 | Glenium 7500         |  | 08/08 | 08/13 | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122<br>(216) 839-7072<br>(216) 829-8821 – FAX<br><a href="http://www.bASF-admixtures.com">www.bASF-admixtures.com</a> |
| K-6 | 07062 | Glenium 7700         |  | 08/08 | 08/13 | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122<br>(216) 839-7072<br>(216) 829-8821 – FAX<br><a href="http://www.bASF-admixtures.com">www.bASF-admixtures.com</a> |
| K-6 | 03042 | MIRA 85              |  | 9/09  | 9/14  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>            |
| K-6 | 94-14 | Polyheed 997         |  | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>             |
| K-6 | 05050 | PS 1466              |  | 3/07  | 3/12  | Degussa Admixtures, Inc<br>23700 Chagrin Blvd<br>Beachwood OH 44122<br>(216) 839-7072<br>(216) 839-8825 - Fax   |
| K-6 | 94-29 | Rheobuild 1000       |  | 9/09  | 9/14  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>             |
| K-6 | 05017 | Sikament 686         |  | 2/08  | 2/13  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                  |
| K-6 | 05016 | Sika ViscoCrete 2100 |  | 2/08  | 2/13  | Sika Corporation<br>Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>              |

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| K-6 | 05018 | Sika ViscoCrete 4100 |             | 2/08 | 2/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                    |
| K-6 | 03066 | Sika ViscoCrete 6100 |             | 2/08 | 2/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                                    |
| K-6 | 99-22 | SP1000               | High range. | 2/00 | 2/05 | General Redi-Chem, Inc.<br>11 Foundry Street<br>P.O. Box 208<br>Oxford NJ 07863   |
| K-6 | 93-40 | Supercizer #1        | High range. | 9/09 | 9/14 | Fritz-Pak Corporation<br>4821 Eastover Circle<br>Mesquite TX 75149<br>(214) 221-9494<br>(888) 746-4116<br>(214) 349-3182 – Fax<br><a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a> |
| K-6 | 93-41 | Supercizer #5        | High range. | 2/08 | 2/13 | Fritz-Pak Corporation<br>4821 Eastover Circle<br>Mesquite TX 75149<br>(214) 221-9494<br>(888) 746-4116<br>(214) 349-3182 – Fax<br><a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a> |
| K-6 | 93-42 | Supercizer #6        | High range. | 9/09 | 9/14 | Fritz-Pak Corporation<br>4821 Eastover Circle<br>Mesquite TX 75149<br>(214) 221-9494<br>(888) 746-4116<br>(214) 349-3182 – Fax<br><a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a> |
| K-6 | 03051 | WRDA with HYCOL      |             | 3/05 | 3/10 | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>              |

|          | K-7 – Water Reducing, High Range & Retarding - Type G<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

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| K-7 | 99-16 | Edeco Slump Mix-C |  | 5/08 | 5/13 | Concrete Controls<br>19291 Florida Blvd.<br>Albany, Louisiana 70711<br>(225) 567-7142 |
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| K-8 – Air Entraining Admixture<br>ADOT Specifications: 1006-2.04(B)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                |               |       |               |                |  |
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| Category   | ID/Rpt. No.    | Product       | Notes | Approval Date | Recertify Date | Manufacturer   |
| K-8  | 01101          | AEA 92S       |       | 5/08          | 5/13           | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-8  | 01106          | AEA 92        |       | 5/08          | 5/13           | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-8  | 99-23          | Aero 2000     |       | 2/00          | 2/05           | General Redi-Chem Inc.<br>11 Foundry Street<br>P.O. Box 208<br>Oxford NJ 07863   |
| K-8  | 01100          | Air Mix 200   |       | 5/08          | 5/13           | The Euclid Chemical Co.<br>19218 Redwood Road<br>Cleveland OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>  |
| K-8  | 94-12          | DARAVAIR 1000 |       | 9/09          | 9/14           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-8  | 80-29<br>97-17 | DARAVAIR AT60 |       | 9/09          | 9/14           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |
| K-8  | 80-16          | DARAVAIR M    |       | 9/09          | 9/14           | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a> |

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| K-8 | 90-55 | DAREX II AEA           |  | 9/09  | 9/14  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>              |
| K-8 | 08048 | DAREX AEA ED           |  | 8/09  | 8/14  | W.R. Grace & Co.<br>62 Whittemore Avenue<br>Cambridge MA 02140<br>(617) 498-4555<br>(617) 234-7576 – Fax<br><a href="http://www.graceconstruction.com">www.graceconstruction.com</a>              |
| K-8 | 99-17 | Edecon NVR             |  | 5/08  | 5/13  | Concrete Controls<br>19291 Florida Blvd.<br>Albany, Louisiana 70711<br>(225) 567-7142   |
| K-8 | 97-31 | Eucon Air 40           |  | 2/04  | 2/15  | The Euclid Chemical Company<br>19218 Redwood Road<br>Cleveland, OH 44110<br>(800) 321-7628<br>(216) 531-9399 – Fax<br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>          |
| K-8 | 93-34 | Fritz Air Plus         |  | 2/08  | 2/13  | Fritz-Pak Corporation<br>4821 Eastover Circle<br>Mesquite TX 75149<br>(214) 221-9494<br>(888) 746-4116<br>(214) 349-3182 – Fax<br><a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a> |
| K-8 | 93-35 | Fritz Super Air Plus   |  | 2/08  | 2/13  | Fritz-Pak Corporation<br>4821 Eastover Circle<br>Mesquite TX 75149<br>(214) 221-9494<br>(888) 746-4116<br>(214) 349-3182 – Fax<br><a href="http://www.fritzpak.com/">http://www.fritzpak.com/</a> |
| K-8 | 93-71 | HICO 315-L             |  | 11/05 | 11/10 | Hill Brothers Chemical Co.<br>1675 N. Main Street<br>Orange CA 92667  |
| K-8 | 94-01 | MB AE 90 (Pave Air 90) |  | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>               |
| K-8 | 89-01 | MB VR Standard         |  | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a>               |

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| K-8 | 86-09 | Micro Air            |  | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-8 | 89-02 | Micro Air            |  | 2/08  | 2/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-8 | 87-14 | Pave Air             |  | 4/08  | 4/13  | BASF Construction Chemicals, LLC<br>23700 Chagrin Blvd.<br>Cleveland OH 44122-5554<br>(800) 628-9990<br><a href="http://www.masterbuilders.com/">http://www.masterbuilders.com/</a> |
| K-8 | 07129 | Sika Air             |  | 08/08 | 08/13 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                      |
| K-8 | 86-17 | Sikamix 104 Sika AER |  | 2/08  | 2/13  | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a>                      |

|          | K-9 – Fiber<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                                  |       |               |                |  |
|----------|---|----------------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                          | Notes | Approval Date | Recertify Date | Manufacturer   |
| K-9      | 03121   | Ant-Crackl® Anti-Crak™ HD and HP |       | 6/06          | 6/11           | Saint-Gobain Specialty Reinforcements<br>122 W. John Carpenter Fwy, Suite 535<br>Irving TX 75039<br>(972) 717-4581<br>(309) 214-2000 - Fax |
| K-9      | 03122   | AR Glass Fiber by Anti-Crak®     |       | 6/06          | 6/11           | Saint-Gobain Specialty Reinforcements<br>122 W. John Carpenter Fwy, Suite 535<br>Irving TX 75039<br>(972) 717-4581<br>(309) 214-2000 - Fax |

|          | K-10 – Admixture Containing Calcium Chloride, Set Accelerator<br>ADOT Specifications: 1006-2.04(C)<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

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**Category: M – Portland Cement Concrete Finishing Products**

|          | M-1 – Solvent Base<br>ADOT Specifications: ASTM G53 & D1712<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                       |       |               |                |  |
|----------|--|-----------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product               | Notes | Approval Date | Recertify Date | Manufacturer   |
| M-1      | 90-18  | Acrylic Masonry Stain |       | 9/09          | 9/14           | TriCom Coatings, Inc.<br>2639 N. 31st Ave.<br>Phoenix AZ 85009<br>(602) 243-3293<br>(602) 268-6801 – Fax<br><a href="http://www.tricomcoatings.com">www.tricomcoatings.com</a> |

|          | M-2 – Water Base<br>ADOT Specifications: ASTM D3359 & G53, and Fed. Spec. TT-P-19D<br>ADOT Drawings: None<br>Responsible Section: Materials Group |   |               |               |                |  |
|----------|---|---|---------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes         | Approval Date | Recertify Date | Manufacturer   |
| M-2      | 89-44   | 100% Acrylic Flat<br>290f447                                  |               | 8/09          | 8/14           | Frazee Industries, Inc.<br>6625 Miramar Road<br>San Diego CA 92121<br>(858) 626-3600<br>(602) 244-2715 – Fax<br><a href="http://www.frazee.com">www.frazee.com</a> |
| M-2      | 89-45   | Canyon Tone Stain "W"   |               | 5/08          | 5/13           | United Coatings<br>19011 E. Cataldo<br>Greenacres WA 99016<br>(800) 541-4383<br>(509) 928-1116 – Fax   |
| M-2      | 91-108  | Dunn-Edwards Freeway<br>Acrylic Flat (Product<br>Code Z5809X) |               | 4/03          | 4/08           | Dunn-Edwards Corp.<br>4885 East 52 <sup>nd</sup> Place<br>Los Angeles CA 90040<br>(213) 771-3330<br><a href="http://www.dunnedwards.com">www.dunnedwards.com</a>   |
| M-2      | 90-03   | Dunn-Edwards TT-P-<br>19C                                     | Acrylic paint | 4/03          | 4/08           | Dunn-Edwards Corp.<br>4885 East 52 <sup>nd</sup> Place<br>Los Angeles CA 90040<br>(213) 771-3330<br><a href="http://www.dunnedwards.com">www.dunnedwards.com</a>   |

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|-----|-------|--|---------------|------|------|--|
| M-2 | 89-43 | Hydro-Acrylic Stain  |               | 9/09 | 9/14 | TriCom Coatings, Inc.<br>2639 N. 31st Ave.<br>Phoenix AZ 85009<br>(602) 243-3293<br>(602) 268-6801 – Fax<br><a href="http://www.tricomcoatings.com">www.tricomcoatings.com</a> |
| M-2 | 92-04 | Hydro-Acrylic Stain Flat<br>(Product Code 300-65)            |               | 9/09 | 9/14 | TriCom Coatings, Inc.<br>2639 N. 31st Ave.<br>Phoenix AZ 85009<br>(602) 243-3293<br>(602) 268-6801 – Fax<br><a href="http://www.tricomcoatings.com">www.tricomcoatings.com</a> |
| M-2 | 90-02 | Pitt-Cryl Exterior Water<br>Base Paint                       |               | 8/03 | 8/08 | Pittsburgh Paints<br>One PPG Place<br>Pittsburgh PA 15272<br>(800) 441-9695<br><a href="http://www.pittsburghpaints.com">http://www.pittsburghpaints.com</a>                   |
| M-2 | 95-03 | Sher-Clad Exterior<br>Acrylic Latex Flat Paint,<br>B2 Series | Acrylic latex | 5/08 | 5/13 | The Sherwin-Williams Company<br>101 Prospect Ave. NW<br>Cleveland OH 44115<br>(216) 566-2681<br>(216) 566-1660 - Fax   |
| M-2 | 04087 | US SPEC Radiance<br>UV-25                                    |               | 9/07 | 9/12 | US Mix Products Co.<br>112 South Santa Fe Drive<br>Denver CO 80223<br>(303) 778-7227<br>(303) 722-8926 - Fax   |

|          | M-3 – Penetrating Crack Sealer<br>ADOT Specifications: ASTM D695, D790 & C882<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                      |       |                  |                   |  |
|----------|--|----------------------|-------|------------------|-------------------|--|
| Category | ID/Rpt.<br>No.   | Product              | Notes | Approval<br>Date | Recertify<br>Date | Manufacturer   |
| M-3      | 05024  | Atlas E-Pro Seal SLV |       | 9/07             | 9/12              | Atlas Tech Products<br>4640 Brunell Street<br>San Diego CA 92111<br>(858) 277-2100<br>(858) 277-0585 - Fax   |
| M-3      | 04001  | KBP 103              |       | 12/05            | 12/10             | Kwik Bond Polymers, LLC<br>923 Teal Drive<br>Benicia CA 94510<br>510-852-4381<br>707-746-7981-Fax  |
| M-3      | 02097  | Sikadur 55 SLV       |       | 12/05            | 12/10             | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |

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|-----|-------|---------------------|---------------------------|------|------|--|
| M-3 | 96-42 | Sika Pronto 19 T.F. | Penetrating crack sealer. | 9/09 | 9/14 | Sika Corp.<br>201 Polito Ave.<br>Lyndhurst NJ 07071<br>(201) 933-8800<br>(201) 804-1076 – Fax<br><a href="http://www.sikacorp.com">http://www.sikacorp.com</a> |
|-----|-------|---------------------|---------------------------|------|------|--|

**Category: N – Reflective Crack Controls**

| <b>Category</b> | N-1 – Pavement Fabric<br>ADOT Specifications: 1014-2<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                |                                |                      |                       |   |
|-----------------|---|----------------|--------------------------------|----------------------|-----------------------|---|
|                 | <b>ID/Rpt. No.</b>  | <b>Product</b> | <b>Notes</b>                   | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b>   |
| N-1             | 08007   | AOL            |                                | 6/09                 | 6/14                  | Thrace-LINQ, Inc.<br>2550 W. 5th North St.<br>Summerville SC 29483<br>(800) 445-4675  |
| N-1             | 91-26   | Polyfelt PGM13 | Non-woven polypropylene fabric | 4/03                 | 4/08                  | Tenax Corporation<br>4800 East Monument Street<br>Baltimore MD 21205<br>(800) 356-8495<br>(410) 522-7015 - Fax  |
| N-1             | 98-24   | FX-38A/O       | Pavement fabric                | 9/09                 | 9/14                  | Carthage Mills<br>4243 Hunt Road<br>Cincinnati OH 45242<br>(800) 543-4430<br>(513) 794-3434 – Fax<br><a href="http://www.carthagemills.com">www.carthagemills.com</a> |
| N-1             | 91-42   | Mirafi 140 NL  | Non-woven polypropylene fabric | 4/08                 | 4/13                  | TenCate Mirafi<br>365 S. Holland Drive<br>Pendergrass GA 30567<br>(888) 795-0808<br>Fax: (706) 693-4400   |
| N-1             | 93-69   | GEOTEX 381     |                                | 11/05                | 11/10                 | SI Geosolutions<br>4019 Industry Drive<br>Chattanooga TN 37416<br>(800) 621-1273<br>(423) 899-7619 -Fax   |

**Category: O – Rust Passivators**

| <b>Category</b> | O-1 – Epoxy Powder Coatings<br>ADOT Specifications: 1003-5.02 and AASHTO M284<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                |              |                      |                       |                     |
|-----------------|--|----------------|--------------|----------------------|-----------------------|---------------------|
|                 | <b>ID/Rpt. No.</b>   | <b>Product</b> | <b>Notes</b> | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b> |

|     |       |                         |   |      |      |  |
|-----|-------|-------------------------|---|------|------|--|
| O-1 |       | 10-6071 CORVEL<br>GREEN |   | 5/08 | 5/13 | Rohm and Haas Powder Coatings<br>150 Columbia St.<br>Reading PA 19601<br>(866) 745-8815  |
| O-1 |       | Greenbar 720A009        |   | 5/08 | 5/13 | Valspar Corporation<br>1136 Fayette St.<br>N. Kansas City MO 64116<br>(816) 421-7400   |
| O-1 |       | Nap-Gard 7-2719         |   | 4/09 | 4/14 | DuPont Powder Coatings, U.S.A.<br>9800 Gernard Rd.<br>Houston TX 77041<br>(713) 939-4000<br><a href="http://www.dupontpowder.com">www.dupontpowder.com</a> |
| O-1 | 08019 | Resicoat RB-600         | The product is provisionally approved for one year subject to further evaluation. | 3/09 | 3/10 | Akzo-Nobel Coatings<br>20 Culvert St.<br>Nashville TN 37210<br>(541) 245-1362  |
| O-1 | 04050 | Skotchkote 413          |   | 9/04 | 9/09 | 3M<br>6801 River Place Blvd.<br>Austin TX 78726<br>(512) 984-1800  |

**Category: P – Detectable Warning Device**

|          | P-1 – Truncated Domes<br>ADOT Specifications: None<br>ADOT Drawings: C-05.30<br>Responsible Section: Roadway Support |                            |       |               |                |   |
|----------|--|----------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product                    | Notes | Approval Date | Recertify Date | Manufacturer  |
| P-1      | 08033  | ACO DWD                    |       | 8/09          | 8/14           | ACO Polymer Products Inc.<br>P.O. Box 12067<br>Casa Grande AZ 85230<br>(520) 233-4332   |
| P-1      | 08042  | ADA Arcis Tactile          |       | 3/09          | 3/14           | Arcis Corp<br>10680 NW 289th Place<br>North Plains OR 97133<br>(503) 647-5042   |
| P-1      | 04044  | ADATILE                    |       | 9/04          | 9/07           | ADA Solutions, Inc<br>P.O. Box 3<br>North Billerica MA 01862<br>(800) 372-0519  |
| P-1      | 04048  | Armor-Tile Tactile Systems |       | 12/08         | 12/11          | Engineered Plastics<br>300 International Dr., Suite 100<br>Williamsville NY 14221<br>(800) 682-2525<br><a href="http://www.armor-tile.com">www.armor-tile.com</a> |

|     |       |  |   |       |       |  |
|-----|-------|--|---|-------|-------|--|
| P-1 | 04054 | EZ-Set Tile (Polymer Concrete Panels)      |   | 5/08  | 5/13  | Detectable Warning Systems Inc<br>8081 Phillips Highway, Suite 22<br>Jacksonville FL 32256<br>(866) 999-7452   |
| P-1 | 05009 | EJIW 7005 Series Truncated Dome            |   | 4/08  | 4/13  | East Jordan Iron Works<br>304-B South 67 <sup>th</sup> Avenue<br>Phoenix AZ 85043  |
| P-1 | 06021 | Precast Concrete Detectable Warning Panels |   | 10/06 | 10/09 | Rampdome Systems LLC<br>15111 North Hayden Rd, #160-359<br>Scottsdale AZ 85260<br>(602) 791-2818   |
| P-1 | 04049 | Step-Safe                                  |   | 6/06  | 6/09  | Transpo Industries<br>20 Jones Street<br>New Rochelle NY 10801<br>(914) 636-1000<br>(914) 636-1282 – Fax<br><a href="http://www.transpo.com">www.transpo.com</a> |
| P-1 | 07122 | SureDome                                   | The product is provisionally approved for one year subject to field evaluation. | 3/09  | 3/10  | Advanced Surface Systems, Inc.<br>118 N. Peters Rd., #250<br>Knoxville TN 37923<br>(865) 966-2079  |
| P-1 | 04069 | TekWay Detectable Warning                  |   | 5/08  | 5/13  | StrongGo LLC<br>3296 East Hemisphere Loop<br>Tucson, Arizona 85706<br>(520) 547-3510<br>(520) 547-3515   |

**Category: Q – Soil Sterilization & Weed Control Materials**

|          | Q-1 – Growth Regulator<br>ADOT Specifications: Roadside Vegetation Management Program Manual, 9/1988<br>ADOT Drawings: None<br>Responsible Section: Maintenance Group |            |       |               |                |              |
|----------|---|------------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product    | Notes | Approval Date | Recertify Date | Manufacturer |
| Q-1      |   | Mefluidide |       |               |                |              |

|          | Q-2 – Herbicides - Foliar Systemic<br>ADOT Specifications: Roadside Vegetation Management Program Manual, 9/1988<br>ADOT Drawings: None<br>Responsible Section: Maintenance Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|     |  |                 |               |  |  |  |
|-----|--|-----------------|---------------|--|--|--|
| Q-2 |  | 2, 4-D          | Dicot         |  |  |  |
| Q-2 |  | 2, 4-DP         | Dicot         |  |  |  |
| Q-2 |  | Cacodylic Acid  | Non-selective |  |  |  |
| Q-2 |  | Dicamba         | Dicot         |  |  |  |
| Q-2 |  | Diquat          |               |  |  |  |
| Q-2 |  | Fluazifop Butyl | Monocot       |  |  |  |
| Q-2 |  | Fosamine        | Dicot         |  |  |  |
| Q-2 |  | Glyphosate      | Non-selective |  |  |  |
| Q-2 |  | MCPP            | Dicot         |  |  |  |
| Q-2 |  | Oxyflourfen     | Annual        |  |  |  |
| Q-2 |  | Sethoxydim      | Monocot       |  |  |  |
| Q-2 |  | Triclopyr       | Dicot         |  |  |  |

|                 | <p><b>Q-3 – Herbicides - Soil Active</b><br/>           ADOT Specifications: Roadside Vegetation Management Program Manual, 9/1988<br/>           ADOT Drawings: None<br/>           Responsible Section: Maintenance Group</p> |                     |                        |                      |                       |                     |
|-----------------|---|---------------------|------------------------|----------------------|-----------------------|---------------------|
| <b>Category</b> | <b>ID/Rpt. No.</b>  | <b>Product</b>      | <b>Notes</b>           | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b> |
| Q-3             |   | Bromacil + Diuron   | Non-selective          |                      |                       |                     |
| Q-3             |   | Chlorosulfuron      | Dicot preemergent      |                      |                       |                     |
| Q-3             |   | Dicamba             | Dicot                  |                      |                       |                     |
| Q-3             |   | Hexazi              | Non-selective          |                      |                       |                     |
| Q-3             |   | Imazapyr            | Non-selective          |                      |                       |                     |
| Q-3             |   | Oryzalin            | Non-selective          |                      |                       |                     |
| Q-3             |   | Oxyflourfen         | Annual                 |                      |                       |                     |
| Q-3             |   | Simazine            | Non-selective          |                      |                       |                     |
| Q-3             |   | Sulfometuron Methyl | Non-selective pre-post |                      |                       |                     |
| Q-3             |   | Tebuthiuron         | Non-selective          |                      |                       |                     |

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|--|---|
|  | <p><b>Q-4 – Seeding, Class 2 -- Tacking Agents</b><br/>           ADOT Specifications: 805-2.06<br/>           ADOT Drawings: None<br/>           Responsible Section: Roadside Development</p> |
|--|---|

| <b>Category</b> | <b>ID/Rpt.<br/>No.</b> | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b> |
|-----------------|------------------------|----------------|--------------|--------------------------|---------------------------|---------------------|
| Q-4             |                        | AZ-TAC         |              |                          |                           |                     |
| Q-4             |                        | M-Binder       |              |                          |                           |                     |
| Q-4             |                        | M145 Binder    |              |                          |                           |                     |

|                 | Q-5 – Seeding, Class 2 -- Tacking Agents, Emulsified Asphalt<br>ADOT Specifications: 1005-3.04<br>ADOT Drawings: None<br>Responsible Section: Roadside Development |                |              |                          |                           |                     |
|-----------------|--|----------------|--------------|--------------------------|---------------------------|---------------------|
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>   | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b> |
| Q-5             |  | CSS-1          |              |                          |                           |                     |
| Q-5             |  | SS-1           |              |                          |                           |                     |

**Category: R – Soil Treatments**

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  | R-1 – Continuous Film Water Retention Products<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Maintenance Group |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|                 | R-2 – Soil Amendment<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |                |              |                          |                           |                     |
|-----------------|---|----------------|--------------|--------------------------|---------------------------|---------------------|
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>  | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b> |
|                 |   |                |              |                          |                           |                     |

**Category: S – Structural Materials and Components**

|          | S-1 – Splicer<br>ADOT Specifications: 605-3.02<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                                      |  |               |                |  |
|----------|---|--------------------------------------|--|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                              | Notes                                  | Approval Date | Recertify Date | Manufacturer   |
| S-1      | 93-13   | BarGrip, Grade 60                    | Swaged mechanical coupler              | 8/09          | 8/14           | Barssplice Products, Inc.<br>4900 Webster St.<br>Dayton OH 45414<br>(937) 275-8700<br>(937) 275-9566 – Fax<br><a href="http://www.barssplice.com">www.barssplice.com</a>   |
| S-1      | 07092   | Bar Lock Couplers                    |  | 08/08         | 08/13          | Dayton Superior<br>7777 Washington Village Dr.<br>Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br>(425) 671-0145 – Fax<br><a href="http://www.barlock.com">www.barlock.com</a><br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| S-1      | 98-01   | Bar-Lock MBT Couplers                | Mechanical splice<br>FOR SIZE #10 ONLY | 5/01          | 5/06           | Dayton Superior<br>7777 Washington Village Dr.<br>Suite 130<br>Dayton OH 45459<br>(937) 428-6360<br>(425) 671-0145 – Fax<br><a href="http://www.barlock.com">www.barlock.com</a><br><a href="http://www.daytonsuperior.com">www.daytonsuperior.com</a> |
| S-1      | 93-11   | Barsplicer, Grade 60                 | Threaded mechanical connector          | 8/09          | 8/14           | Barssplice Products, Inc.<br>4900 Webster St.<br>Dayton OH 45414<br>(937) 275-8700<br>(937) 275-9566 – Fax<br><a href="http://www.barssplice.com">www.barssplice.com</a>   |
| S-1      | 06050   | Double Barrel Zap<br>Screwlok System |  | 6/07          | 6/12           | Barssplice Products, Inc.<br>4900 Webster St.<br>Dayton OH 45414<br>(937) 275-8700<br>(937) 275-9566 – Fax<br><a href="http://www.barssplice.com">www.barssplice.com</a>   |
| S-1      | 07125   | Griptec                              |  | 08/08         | 08/13          | Dextra America<br>(1405 Fraser St., Suite F3)<br>P.O. Box 28306<br>Bellingham WA 98228<br>(877) 327-0800   |

|     |       |                            |                              |      |      |  |
|-----|-------|----------------------------|------------------------------|------|------|--|
| S-1 | 99-02 | Lenton Couplers            | Mechanical splicers          | 9/09 | 9/14 | Erico Product, Inc.<br>34600 Solon Road<br>Solon OH 44139<br>(440) 248-0100<br>(440) 248-0723 – Fax<br><a href="http://www.erico.com">www.erico.com</a>                  |
| S-1 | 06033 | OS SPLICE CLIP             |                              | 6/07 | 6/12 | OCM, Inc<br>645 Forest Edge Drive<br>Vernon Hills IL 60061<br>(847) 955-9700<br>(847) 541-9338 - Fax   |
| S-1 | 91-04 | Quick Wedge                | Rebar splicer                | 5/08 | 5/13 | Erico Product, Inc.<br>34600 Solon Road<br>Solon OH 44139<br>(800) 248-2677<br>(800) 462-4712 – Fax  |
| S-1 | 93-17 | Standard Lok Splice System | Threaded mechanical splice   | 9/09 | 9/14 | Meadow-Burke<br>7000 Will Rogers Blvd.<br>Fort Worth TX 76140<br>(800) 727-3227  |
| S-1 | 02117 | Taper Threaded Grip-Twist  |                              | 8/09 | 8/14 | Barssplice Products, Inc.<br>4900 Webster St.<br>Dayton OH 45414<br>(937) 275-8700<br>(937) 275-9566 – Fax<br><a href="http://www.barssplice.com">www.barssplice.com</a> |
| S-1 | 97-08 | ZAP Screwlok Couplers      | Mechanical connection system | 8/09 | 8/14 | Barssplice Products, Inc.<br>4900 Webster St.<br>Dayton OH 45414<br>(937) 275-8700<br>(937) 275-9566 – Fax<br><a href="http://www.barssplice.com">www.barssplice.com</a> |
| S-1 | 06049 | Zap Screwlok 'SL' System   |                              | 6/07 | 6/12 | Barssplice Products, Inc.<br>4900 Webster St.<br>Dayton OH 45414<br>(937) 275-8700<br>(937) 275-9566 – Fax<br><a href="http://www.barssplice.com">www.barssplice.com</a> |

|          | S-2 – Bridge Joint System (Compression Seal Joint)<br>ADOT Specifications: 1011<br>ADOT Drawings: SD 3.01 (Compression Seal Joint)<br>Responsible Section: Bridge Group |                        |       |               |                |   |
|----------|---|------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                | Notes | Approval Date | Recertify Date | Manufacturer  |
| S-2      | 02062   | Phyzite 380 W/H.A.L.S. |       | 5/08          | 5/13           | Chase Construction Products<br>401 New Karner Road<br>Albany NY 12205<br>(518) 344-7777 |

|          | S-3 – Bridge Joint System (Strip Seal Joint)<br>ADOT Specifications: 1011<br>ADOT Drawings: SD 3.02 (Strip Seal Joint)<br>Responsible Section: Bridge Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
| S-3      |   |         |       |               |                |              |

**Category: T – Structural Paints**

|          | T-1 – Alkyd<br>ADOT Specifications: 1002<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                             |       |               |                |  |
|----------|---|-----------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                     | Notes | Approval Date | Recertify Date | Manufacturer   |
| T-1      | 09072   | 662/663 Utility Shop Primer |       | 9/09          | 9/14           | Frazee Industries, Inc.<br>6625 Miramar Road<br>San Diego CA 92121<br>(858) 626-3600<br>(602) 244-2715 – Fax<br><a href="http://www.fazee.com">www.fazee.com</a> |

|          | T-2 – Water Based<br>ADOT Specifications: ASTM D660-93, D661-93 & Dd772-86<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                             |   |               |                |  |
|----------|---|-----------------------------|---|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                     | Notes   | Approval Date | Recertify Date | Manufacturer   |
| T-2      | 96-31   | 90-Series DTM Primer/Finish | 3 coat primer/finish, 2 mils DFT each                                       | 3/09          | 3/14           | PPG Industries, Inc.<br>5500 Corporate Dr., Suite 5500<br>Pittsburgh PA 15237<br>(800) 441-9695<br><a href="http://www.pittsburghpaints.com">http://www.pittsburghpaints.com</a> |
| T-2      | 96-32   | 90-474 Series DTM Satin     | 1 coat primer/finish, 2 mils DFT,<br>2 coats satin topcoat, 2 mils DFT each | 3/09          | 3/14           | PPG Industries, Inc.<br>5500 Corporate Dr., Suite 5500<br>Pittsburgh PA 15237<br>(800) 441-9695<br><a href="http://www.pittsburghpaints.com">http://www.pittsburghpaints.com</a> |
| T-2      | 99-19<br>98077  | Acrylic Metal Primer #561   | Fast drying interior/exterior acrylic metal primer.                         | 11/05         | 11/10          | Frazee Industries, Inc.<br>2131 E. Jackson St.<br>Phoenix AZ 85034<br>(602) 275-5444<br>(602) 244-2715 – Fax<br><a href="http://www.fazee.com">www.fazee.com</a>                 |

|     |                |  |  |       |       |  |
|-----|----------------|--|--|-------|-------|--|
| T-2 | 96-03          | Griggs Hydro-Acrylic Paint System  |  | 2/01  | 2/06  | TriCom Coatings, Inc.<br>2639 N. 31st Ave.<br>Phoenix AZ 85009<br>(602) 243-3293<br>(602) 268-6801 – Fax<br><a href="http://www.tricomcoatings.com">www.tricomcoatings.com</a> |
| T-2 | 01-06<br>01022 | ICI Delux Paints 2210 Ultra-Hide Durus Acrylic Flat                      |  | 11/01 | 11/06 | I.C.I. Delux Paints<br>925 Euclid Avenue<br>Cleveland OH 44115<br>(216) 344-8800   |
| T-2 | 01-05<br>01023 | ICI Delux Paints 2250 Speed-Cote Acrylic Flat                            |  | 11/01 | 11/06 | I.C.I. Delux Paints<br>925 Euclid Avenue<br>Cleveland OH 44115<br>(216) 344-8800   |
| T-2 | 01-07<br>01024 | ICI Delux Paints 302SW Ultra-Hide Durus-Cote Plus                        |  | 11/01 | 11/06 | I.C.I. Delux Paints<br>925 Euclid Avenue<br>Cleveland OH 44115<br>(216) 344-8800   |
| T-2 | 03063<br>96-05 | Intercryl 520  | Rust inhibitive water borne acrylic for use as primer or finish coat on structural steel bridges | 2/07  | 2/12  | International Paint LLC<br>6001 Antoine Dr.<br>Houston TX 77091<br>(713) 684-1289<br><a href="http://www.internatinalpaint.com">www.internatinalpaint.com</a>                  |
| T-2 | 03064<br>96-05 | Intercryl 530  | Intermediate and finish coat over primed structural steel surfaces                               | 2/07  | 2/12  | International Paint LLC<br>6001 Antoine Dr.<br>Houston TX 77091<br>(713) 684-1289<br><a href="http://www.internatinalpaint.com">www.internatinalpaint.com</a>                  |
| T-2 | 96-06          | Sherwin-Williams DTM Acrylic 2-Part Coating System                       |  | 5/08  | 5/13  | The Sherwin-Williams Co.<br>2312 North 16 <sup>th</sup> Street<br>Phoenix AZ 85006<br>(602) 252-7574   |
| T-2 | 96-04          | Sinclair Paint   |  | 3/96  | 3/01  | ICI Delux Paints<br>1040 S Country Club Dr.<br>Mesa AZ 85210-4643<br>(602) 844-9981  |
| T-2 | 99-19<br>98078 | Topcoat DTM #540   | Urethane modified 100% acrylic interior/exterior industrial glass finish.                        | 11/05 | 11/10 | Frazee Industries, Inc.<br>2131 E. Jackson<br>Phoenix AZ 85034<br>(602) 275-5444<br>(602) 244-2715 - Fax   |
| T-2 | 02017          | Sherwin Williams Duration K-32 Series Exterior Latex Flat Masonry Finish |  | 5/08  | 5/13  | The Sherwin-Williams Co.<br>2135 E. Jones Avenue<br>Phoenix AZ 85040<br>(602) 292-2077<br>(602) 252-7256 – Fax   |
| T-2 | 02018          | Sherwin Williams A-100/A6 Series Exterior Latex Flat Masonry Finish      |  | 5/08  | 5/13  | The Sherwin-Williams Co.<br>2135 E. Jones Avenue<br>Phoenix AZ 85040<br>(602) 292-2077<br>(602) 252-7256 – Fax   |

|     |       |  |  |      |      |   |
|-----|-------|--|--|------|------|---|
| T-2 | 02019 | Sherwin Williams B42 Series Exterior Latex Flat Masonry Finish |  | 5/08 | 5/13 | The Sherwin-Williams Co.<br>2135 E. Jones Avenue<br>Phoenix AZ 85040<br>(602) 292-2077<br>(602) 252-7256 – Fax  |
| T-2 | 03069 | W6240 Versaflat  |  | 9/03 | 9/08 | Dunn-Edwards<br>1872 E. Broadway Road<br>Tempe AZ 85282<br>(480) 968-3413<br>(480) 894-2044 – Fax<br><a href="http://www.dunnedwards.com">www.dunnedwards.com</a> |
| T-2 | 03070 | W203 Endura Coat   |  | 9/03 | 9/08 | Dunn-Edwards<br>1872 E. Broadway Road<br>Tempe AZ 85282<br>(480) 968-3413<br>(480) 894-2044 – Fax<br><a href="http://www.dunnedwards.com">www.dunnedwards.com</a> |

**Category: U – Testing and Construction Equipment**

|          | U-1 – Capping Compounds<br>ADOT Specifications: ASTM C617 & C109<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                               |   |               |                |   |
|----------|---|-------------------------------|---|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                       | Notes   | Approval Date | Recertify Date | Manufacturer  |
| U-1      | 85-02   | Basolit Sulfer Cement No. 600 | Sulfur based capping compound.<br>Compressive strength test | 1/04          | 11/13          | Sauereisen Inc.<br>160 Gamma Drive<br>Pittsburgh PA 15238<br>(412) 963-0303 |

|          | U-2 – Plastic Cylinder Molds<br>ADOT Specifications: AASHTO M205<br>ADOT Drawings: None<br>Responsible Section: Materials Group |                                   |                           |               |                |   |
|----------|---|-----------------------------------|---------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                           | Notes                     | Approval Date | Recertify Date | Manufacturer  |
| U-2      | 78-02   | Disposable Plastic Cylinder Molds | Compressive strength test | 5/08          | 5/13           | M.A. Industries, Inc.<br>P.O. Box 2322<br>303 Dividend Dr.<br>Peachtree Georgia 30269<br>(770) 487-7761 |
| U-2      | 85-05   | Disposable Plastic Cylinder Molds | Compressive strength test | 5/08          | 5/13           | Jatco, Inc.<br>725 Zwissig Way<br>Union City CA 94587<br>(800) 445-2826                                 |

|     |       |                                |                           |      |      |  |
|-----|-------|--------------------------------|---------------------------|------|------|--|
| U-2 | 90-60 | On-Spec Plastic Cylinder Molds | Compressive strength test | 9/09 | 9/14 | On-Spec Manufacturing Co.<br>1020 S. Bolton St.<br>Jacksonville TX 75766<br>(800) 456-7285<br><a href="http://www.onspecmanufacturing.com">www.onspecmanufacturing.com</a> |
|-----|-------|--------------------------------|---------------------------|------|------|--|

|          | U-3 – Reusable Cylinder Mold<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
| U-3      |  |         |       |               |                |              |

|          | U-4 – Tools<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
| U-4      |   |         |       |               |                |              |

|          | U-5 – Slab Jacking<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |                             |               |                |   |
|----------|--|---------|-----------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product | Notes                       | Approval Date | Recertify Date | Manufacturer  |
| U-5      | 92086  | Uretek  | Used with small voids only. | 1/06          | 1/11           | Uretek U.S.A., Inc.<br>P.O Box 1929<br>Tomball, TX 77377-1929<br>(281) 351-7800 |

#### Category: V – Traffic Control Materials

|   |   |  |  |  |  |  |
|---|---|--|--|--|--|--|
|   | V-1 – Attenuation Device – Impact Attenuators<br>ADOT Specifications: 702-2.02<br>ADOT Drawings: None<br>Responsible Section: Roadway Support/Traffic Group |  |  |  |  |  |
| *These products may be used for permanent installations only as indicated on the project plans. Products listed on the APL may not be substituted for those specified on the project plans without the written approval of the project design engineer and the District Engineer. |   |  |  |  |  |  |

| <b>Category</b> | <b>ID/Rpt.<br/>No.</b> | <b>Product</b>               | <b>Notes</b>   | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>  |
|-----------------|------------------------|------------------------------|--|--------------------------|---------------------------|--|
| V-1             | 93014                  | ADIEM                        | NCHRP 350 TL3 compliant  | 5/08                     | 5/13                      | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 – Fax  |
| V-1             | 03023<br>05042         | FASTRACC                     | NCHRP 350 TL3 compliant<br>Approval from the Assistant State Engineer,<br>Roadway Engineering Group is required<br>prior to using this product | 10/05                    | 10/10                     | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax  |
| V-1             | 08037                  | HEART Impact<br>Attenuator   |  | 3/10                     | 3/15                      | Trinity Highway Products LLC.<br>5216 Brassfield Dr.<br>Olympia WA 98501<br>(360) 943-9559   |
| V-1             | 96119                  | NEAT                         | NCHRP 350 TL2 compliant  | 8/09                     | 8/14                      | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-1             | 96043                  | QuadGuard                    | NCHRP 350 TL3 compliant  | 8/09                     | 8/14                      | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-1             | 97077                  | QuadGuard Wide 69/90<br>Wide | NCHRP 350 TL3 compliant  | 8/09                     | 8/14                      | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-1             | 98069                  | Quad Guard 69/90 LMC<br>Wide | NCHRP 350 TL3 compliant  | 8/09                     | 8/14                      | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-1             | 98060                  | Quad Guard LMC               | NCHRP 350 TL3 compliant  | 8/09                     | 8/14                      | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |

|     |                |                          |  |       |       |  |
|-----|----------------|--------------------------|--|-------|-------|--|
| V-1 | 96095          | REACT 350-4              | NCHRP 350 TL2 compliant<br>Maximum operational speed 70 km/h (45 mph)  | 8/09  | 8/14  | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-1 | 96094          | REACT 350-6              | NCHRP 350 TL2 compliant<br>Maximum operational speed 90 km/h (55 mph)  | 8/09  | 8/14  | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-1 | 95048          | REACT 350-9              | NCHRP 350 TL3 compliant<br>9-bay unit only   | 1/06  | 1/11  | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-1 | 07015          | SCI 70 GM Smart Cushion  | NCHRP 350 TL2 Compliant  | 3/08  | 3/13  | SCI Products Inc.<br>635 Lucknow Road<br>Harrisburg PA 17110<br>(800) 327-4417   |
| V-1 | 04010          | SCI 100 GM Smart Cushion | NCHRP 350 TL3 Compliant<br>May be specified at high-speed, high crash-frequency locations. See "Crash Cushion Selection Procedure" Design Memo (September 2006) and Crash Cushion Selection Procedure, 2006 (Roadway Design website) for additional information. | 10/04 | 10/09 | SCI Products Inc.<br>635 Lucknow Road<br>Harrisburg PA 17110<br>(800) 327-4417   |
| V-1 | 03022<br>05042 | SHORTRACC                | NCHRP 350 TL2 compliant  | 10/05 | 10/10 | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax  |
| V-1 | 02005          | TAU – II                 | NCHRP 350 TL3 compliant — Does not include the Universal TAU-II Crash Cushion System   | 9/09  | 9/14  | Barrier Systems, Inc.<br>180 River Road<br>Rio Vista CA 94571-1208<br>(510) 733-9656<br>(510) 733-5761 - Fax   |
| V-1 | 98112<br>05042 | TRACC                    | NCHRP 350 TL3 compliant  | 10/05 | 10/10 | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax  |
| V-1 | 03006<br>05042 | WideTRACC                | NCHRP 350 TL3 compliant  | 10/05 | 10/10 | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax  |

|          | V-2 – Attenuation Device – Guardrail End Terminals<br>ADOT Specifications: 702<br>ADOT Drawings: None<br>Responsible Section: Roadway Support |                       |                                   |               |                |  |
|----------|---|-----------------------|-----------------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product               | Notes                             | Approval Date | Recertify Date | Manufacturer   |
| V-2      | 02077   | ET-2000 PLUS          | NCHRP 350 TL3 compliant           | 5/08          | 5/13           | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax  |
| V-2      | 98040   | FLEAT 350             | NCHRP 350 TL3 compliant           | 9/09          | 9/14           | Road Systems, Inc.<br>3616 Howard County Airport Rd.<br>Big Spring TX 79720<br>(432) 263-2435<br><a href="http://www.roadsystems.com">www.roadsystems.com</a>      |
| V-2      | 98086   | SKT-350               | Meets NCHRP 350 TL3 requirements. | 3/04          | 3/15           | Road Systems, Inc.<br>2516 Mallory Lane<br>Stow OH 44224<br>(330) 346-0721<br>(330) 346-0722 – Fax<br><a href="http://www.roadsystems.com">www.roadsystems.com</a> |
| V-2      | 96023<br>01052  | SRT-350               | NCHRP 350 TL3 compliant           | 1/06          | 1/11           | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax  |
| V-2      | 01052   | SRT/HBA 6-Post System | NCHRP 350 TL3 compliant           | 5/08          | 5/13           | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax  |

|          | V-3 – Attenuation Device – Sand Barrels<br>ADOT Specifications: 702<br>ADOT Drawings: 4-C-1.03<br>Responsible Section: Traffic Group |              |                         |               |                |  |
|----------|--|--------------|-------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product      | Notes                   | Approval Date | Recertify Date | Manufacturer   |
| V-3      | 06109  | CrashGard    | NCHRP 350 TL3 compliant | 12/07         | 12/12          | Plastic Safety Systems, Inc<br>2444 Baldwin Road<br>Cleveland OH 44104<br>1-800-662-6338<br><a href="http://www.plasticsafety.com">www.plasticsafety.com</a>   |
| V-3      |  | Energite III | NCHRP 350 TL3 compliant | 1/06          | 1/11           | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |

|     |       |                                  |  |      |      |  |
|-----|-------|----------------------------------|--|------|------|--|
| V-3 | 92060 | Fitch Universal Module           | NCHRP 350 TL3 compliant  | 1/06 | 1/11 | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-3 | 98079 | Traffix Sand Barrel System – SBS | NCHRP 350 TL3 compliant<br>Also named: TrafFix Big Sandy Impact Attenuator Sand Barrel | 8/09 | 8/14 | TrafFix Devices, Inc.<br>160 Avenida La Pata<br>San Clemente CA 92673<br>(949) 361-5663<br>(949) 361-9205 – Fax<br><a href="http://www.traffixdevices.com">www.traffixdevices.com</a>                                |

| V-4A – Channelizing Devices – Longitudinal Barriers–Test Level 3<br>ADOT Specifications: 702<br>ADOT Drawings: None<br>Responsible Section: Roadway Support/Traffic Group |             |   |   |               |                |  |
|---|-------------|---|---|---------------|----------------|--|
| Category  | ID/Rpt. No. | Product   | Notes   | Approval Date | Recertify Date | Manufacturer   |
| V-4A  | 06001       | Brifen Wire Rope Safety Fence (WRGT/WRGT-RD End Anchor Terminals) | NCHRP 350 TL3 compliant                                   | 4/06          | 4/11           | Brifen USA, Inc.<br>12501 N. Santa Fe Ave.<br>Oklahoma City OK 73114<br>405-751-8062<br>405-751-8338 – Fax<br><a href="http://www.brifenusacom">www.brifenusacom</a> |
| V-4A  | 03024       | Brifen Wire Rope Safety Fence (WRSF), 4-Wire System               | NCHRP 350 TL3 compliant                                   | 9/09          | 9/14           | Brifen USA, Inc.<br>12501 N. Santa Fe Ave.<br>Oklahoma City OK 73114<br>405-751-8062<br>405-751-8338 – Fax<br><a href="http://www.brifenusacom">www.brifenusacom</a> |
| V-4A  | 06003       | Brifen Wire Rope Safety Fence (WRSF), 3-Wire System               | NCHRP 350 TL3 compliant                                   | 4/06          | 4/11           | Brifen USA, Inc.<br>12501 N. Santa Fe Ave.<br>Oklahoma City OK 73114<br>405-751-8062<br>405-751-8338 – Fax<br><a href="http://www.brifenusacom">www.brifenusacom</a> |
| V-4A  | 07100       | Safence 350 4RC   | Also approved: Safence Terminal                           | 3/10          | 3/15           | Safence Inc.<br>46-04 245th St.<br>Douglaston NY 11362<br>(718) 229-0046   |
| V-4A  | 03047       | CASS, 3-Wire System   | NCHRP 350 TL3 compliant<br>Only C-post system is approved | 6/08          | 6/13           | Trinity Highway Safety Products, Inc<br>5216 Brassfield Drive<br>Olympia WA 98501<br>(360) 943-9559  |
| V-4A  | 05045       | Gibraltar Cable Barrier System, 3-Wire System                     | NCHRP 350 TL3 compliant                                   | 1/06          | 1/11           | Gibraltar<br>320 Southland Road<br>Burnet TX 78611<br>(800) 495-8957<br>(512) 756-1865   |

|      |       |                           |                         |      |      |   |
|------|-------|---------------------------|-------------------------|------|------|---|
| V-4A | 04038 | Safence II, 4-Wire System | NCHRP 350 TL3 compliant | 4/06 | 4/11 | Safence Inc.<br>46-04 245th Street<br>Douglaston NY<br>(718) 229-0046<br>(718) 225-2845-Fax |
|------|-------|---------------------------|-------------------------|------|------|---|

|          | V-4B – Channelizing Devices – Longitudinal Barriers–Test Level 4<br>ADOT Specifications: 702<br>ADOT Drawings: None<br>Responsible Section: Roadway Support/Traffic Group |   |                         |               |                |  |
|----------|---|---|-------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes                   | Approval Date | Recertify Date | Manufacturer   |
| V-4B     | 06004   | Brifen Wire Rope Safety Fence (WRSF), 4-Wire System | NCHRP 350 TL4 compliant | 4/06          | 4/11           | Brifen USA, Inc.<br>12501 N. Santa Fe Ave.<br>Oklahoma City OK 73114<br>405-751-8062<br>405-751-8338 - Fax |
| V-4B     | 05045   | Gibraltar Cable Barrier System, 3-Wire System       | NCHRP 350 TL4 compliant | 1/06          | 1/11           | Gibraltar<br>320 Southland Road<br>Burnet TX 78611<br>(800) 495-8957<br>(512) 756-1865                     |

|          | V-4C – Channelizing Devices – Longitudinal Barriers–Median Barrier Gates<br>ADOT Specifications: 702<br>ADOT Drawings: None<br>Responsible Section: Roadway Support/Traffic Group |                |                         |               |                |  |
|----------|---|----------------|-------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product        | Notes                   | Approval Date | Recertify Date | Manufacturer   |
| V-4C     | 01116   | BarrierGate    | NCHRP 350 TL3 compliant | 8/09          | 8/14           | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |
| V-4C     | 04062   | Safeguard Gate | NCHRP 350 TL3 compliant | 1/06          | 1/11           | Barrier Systems, Inc.<br>180 River Road<br>Rio Vista CA 94571<br>(707) 374-6800<br>(707) 374-6801-Fax  |
| V-4C     | 07126   | Vulcan Barrier | NCHRP 350 TL3 compliant | 3/2009        | 3/14           | Energy Absorption Systems, Inc.<br>35 East Wacker Drive, Suite 1100<br>Chicago IL 60601<br>(312) 467-6750<br>(312) 467-1356 – Fax<br><a href="http://www.energyabsorption.com/">http://www.energyabsorption.com/</a> |

|          | V-4D – Channelizing Devices – Longitudinal Barriers–Miscellaneous<br>ADOT Specifications: 702<br>ADOT Drawings: None<br>Responsible Section: Roadway Support/Materials/Traffic Group |                     |                         |               |                |   |
|----------|--|---------------------|-------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product             | Notes                   | Approval Date | Recertify Date | Manufacturer  |
| V-4D     | 01112  | King Block          | NCHRP 350 TL3 compliant | 3/05          | 3/10           | Trinity Highway Safety Products, Inc.<br>2525 Stemmons Freeway<br>Dallas TX 75207<br>(800) 527-6050<br>(214) 589-8423 - Fax |
| V-4D     | 99006  | Polylumber Blockout | NCHRP 350 TL3 compliant | 10/01         | 10/06          | RAMCO<br>P.O. Box 9625<br>Pittsburgh PA 15226<br>(412) 494-0743<br>(412) 494-0742 – Fax                                     |

|          | V-6E – Channelizing Devices – Flexible Delineators – Surface Mount – Bi-Directional<br>ADOT Specifications: By special provision contact C&S for approved version. Stored Spec. currently under development.<br>ADOT Drawings: Drawings under development. Details required on project plans, contact Traffic Design for information and application requirements.<br>Responsible Section: Traffic Group |                                 |               |               |                |   |
|----------|--|---------------------------------|---------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product                         | Notes         | Approval Date | Recertify Date | Manufacturer  |
| V-6E     |  | Carsonite Superduck Channelizer |               | 5/08          | 5/13           | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916-0098<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>  |
| V-6E     |  | Carsonite Super Duck II         |               | 5/08          | 5/13           | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>   |
| V-6E     | 07111  | E-Base EB Series                |               | 9/08          | 9/13           | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a>   |
| V-6E     | 99102  | FG300 UR                        | NTPEP Testing | 11/05         | 11/10          | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-6E     | 06044  | Flexi-Guide FG 300              |               | 5/07          | 5/12           | Filtrona Extrusion<br>3110 70th Avenue East<br>Tacoma, Washington 98424<br>(253) 284-8000<br>(253) 284-8080 - Fax   |

|      |       |                                    |  |       |       |   |
|------|-------|------------------------------------|--|-------|-------|---|
| V-6E |       | Flexstake SM700 Series             |  | 9/04  | 9/09  | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a>   |
| V-6E |       | Flexstake TM750 Series             |  | 12/06 | 12/11 | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a>   |
| V-6E |       | Greenline SMDW                     |  | 5/08  | 5/13  | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>             |
| V-6E | 03037 | Masterflex Surface Mount           |  | 5/07  | 5/12  | Bent MFG Co.<br>17311 Nichols Street<br>Huntington Beach CA 92647<br>(888) 882-2368   |
| V-6E |       | Safe-Hit SH<br>All Types           |  | 2/01  | 10/13 | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax  |
| V-6E |       | Safe-Hit SR<br>All Types           |  | 2/01  | 10/13 | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax  |
| V-6E | 08064 | Shur-Flex Surface Mount Delineator |  | 6/09  | 6/14  | SHUR-TITE Products<br>P.O. Box 2283<br>Round Rock TX 78680<br>(512) 218-9500<br><a href="http://www.shur-tite.com">http://www.shur-tite.com</a> /                         |
| V-6E | 02111 | TD 5000                            |  | 9/09  | 9/14  | Three D Traffic Works<br>430 N. Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a> |
| V-6E | 02112 | TD 5100 Ringtop                    |  | 9/09  | 9/14  | Three D Traffic Works<br>430 N. Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a> |

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| V-6E | 02116 | TD 6000 Vertical Indicator Panel |  | 9/09 | 9/14 | Three D Traffic Works<br>430 N. Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a> |
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Note: (1) The listings in this category are based on ADOT's interpretation of AASHTO NTPEP test data — see specifications for criteria.

| <p>V-6F – Channelizing Devices – Flexible Delineators – Surface Mount – Multi-Directional (360 degrees)<br/>           ADOT Specifications: By special provision contact C&amp;S for approved version. Stored Spec. currently under development.<br/>           ADOT Drawings: Drawings under development. Details required on project plans, contact Traffic Design for information and application requirements.<br/>           Responsible Section: Traffic Group</p> |             |                                   |               |               |                |   |
|--|-------------|-----------------------------------|---------------|---------------|----------------|---|
| Category   | ID/Rpt. No. | Product                           | Notes         | Approval Date | Recertify Date | Manufacturer  |
| V-6F   |             | Carsonite Super Duck II           |               | 5/08          | 5/13           | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>   |
| V-6F   | 99102       | FG300 UR                          | NTPEP Testing | 11/05         | 11/10          | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-6F   |             | Flexstake 750 Series TSM          |               | 12/06         | 12/11          | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a>   |
| V-6F   | 00060       | IRS Tubular Markers & Delineators |               | 5/08          | 5/13           | Impact Recovery Systems<br>4955 Stout Drive<br>San Antonio TX 78219<br>(800) 736-5256   |
| V-6F   | 03037       | Masterflex Surface Mount          |               | 5/07          | 5/12           | Bent MFG Co.<br>17311 Nichols Street<br>Huntington Beach CA 92647<br>(888) 882-2368   |
| V-6F   |             | Safe-Hit SH Type 3 & 5 only       |               | 2/01          | 10/13          | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax  |
| V-6F   |             | Safe-Hit SR Type 3 & 5 only       |               | 2/01          | 10/09          | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax  |

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|------|-------|-----------------|--|------|------|---|
| V-6F | 02114 | TD 5201         |  | 9/09 | 9/14 | Three D Traffic Works<br>430 N. Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a> |
| V-6F | 02111 | TD 5000         |  | 9/09 | 9/14 | Three D Traffic Works<br>430 N. Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a> |
| V-6F | 02112 | TD 5100 Ringtop |  | 9/09 | 9/14 | Three D Traffic Works<br>430 N. Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a> |

Note: (1) The listings in this category are based on ADOT's interpretation of AASHTO NTPEP test data — see specifications for criteria.

|          | V-7G – Channelizing Devices – Flexible Delineators – Driveable (or Ground Mount) – Bi-Directional, Single Piece<br>ADOT Specifications: By special provision contact C&S for approved version. Stored Spec.<br>currently under development.<br>ADOT Drawings: Drawings under development. Details required on project plans, contact Traffic Design for information and application requirements.<br>Responsible Section: Traffic Group |                                       |       |               |                |   |
|----------|---|---------------------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                               | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-7G     |   | Carsonite Curve-Flex with soil anchor |       | 5/08          | 5/13           | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>           |
| V-7G     | 02016   | EZ Drive Marker                       |       | 9/04          | 9/09           | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9838<br>(941) 482-3539 - Fax  |
| V-7G     |   | Flexstake TM650 series                |       | 9/04          | 9/09           | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a> |
| V-7G     |   | Greenline CGDB                        |       | 5/08          | 5/13           | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>           |

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| V-7G |  | Green Line HWDB with soil anchor |  | 5/08 | 5/13 | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a> |
|------|--|----------------------------------|--|------|------|---|

Note: (1) The listings in this category are based on ADOT's interpretation of AASHTO NTPEP test data — see specifications for criteria.

(2) All single piece ground mount flexible delineators shall be installed with a soil anchor barb.

| V-7H – Channelizing Devices – Flexible Delineators – Driveable (or Ground Mount) – Bi-Directional, Two Piece<br>ADOT Specifications: By special provision contact C&S for approved version. Stored Spec. currently under development.<br>ADOT Drawings: Drawings under development. Details required on project plans, contact Traffic Design for information and application requirements.<br>Responsible Section: Traffic Group |             |                                |   |               |                |   |
|---|-------------|--------------------------------|---|---------------|----------------|---|
| Category  | ID/Rpt. No. | Product                        | Notes   | Approval Date | Recertify Date | Manufacturer  |
| V-7H  |             | Carsonite Survivor             |   | 5/08          | 5/13           | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>           |
| V-7H  |             | Flexstake HD 600 Series        |   | 9/04          | 9/09           | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a> |
| V-7H  |             | Greenline CGDU                 |   | 5/08          | 5/13           | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>           |
| V-7H  |             | Safe-Hit SH All Types          | The type used shall conform to the physical requirements of the reflector tabs specified. | 2/01          | 10/13          | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax  |
| V-7H  |             | Safe-Hit SR All Types          | The type used shall conform to the physical requirements of the reflector tabs specified. | 2/01          | 10/13          | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax  |
| V-7H  | 08032       | SHUR-FLEX DRIVEABLE DELINEATOR |   | 6/09          | 6/14           | SHUR-TITE Products<br>P.O. Box 2283<br>Round Rock TX 78680<br>(512) 218-9500<br><a href="http://www.shur-tite.com">http://www.shur-tite.com</a>                         |

Note: (1) The listings in this category are based on ADOT's interpretation of AASHTO NTPEP test data — see specifications for criteria.

|  | V-7I – Channelizing Devices – Flexible Delineators – Driveable (or Ground Mount) – Multi-Directional (360 degrees)<br>ADOT Specifications: By special provision contact C&S for approved version. Stored Spec. currently under development.<br>ADOT Drawings: Drawings under development. Details required on project plans, contact Traffic Design for information and application requirements.<br>Responsible Section: Traffic Group |                                      |       |               |                |   |
|--|---|--------------------------------------|-------|---------------|----------------|---|
| Category   | ID/Rpt. No.   | Product                              | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-7I   |   | Safe-Hit SH<br>Type 3 & 5 only       |       | 2/01          | 10/13          | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax                    |
| V-7I   |   | Safe-Hit SR<br>Type 3 & 5 only       |       | 2/01          | 10/13          | Energy Absorption Systems Inc.<br>35 E. Wacker Dr., Suite 1100<br>Chicago IL 60601<br>(312) 467 - 6750<br>(312) 467 - 1356 – Fax                    |
| V-7I   | 08032   | SHUR-FLEX<br>DRIVEABLE<br>DELINEATOR |       | 6/09          | 6/14           | SHUR-TITE Products<br>1301 E. Hadley St.<br>Phoenix AZ 85034<br>(512) 218-9500<br><a href="http://www.shur-tite.com/">http://www.shur-tite.com/</a> |
| <p>Note: (1) The listings in this category are based on ADOT's interpretation of AASHTO NTPEP test data — see specifications for criteria.<br/> (2) All single piece ground mount flexible delineators shall be installed with a soil anchor barb.</p> |   |                                      |       |               |                |   |

|          | V-7J – Channelizing Devices – Flexible Delineators – Driveable (or Ground Mount) – Bi-Directional, Three Piece<br>ADOT Specifications: By special provision contact C&S for approved version. Stored Spec. currently under development.<br>ADOT Drawings: Drawings under development. Details required on project plans, contact Traffic Design for information and application requirements.<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|          | V-7K – Channelizing Devices – Breakaway Delineators – Driveable (or Ground Mount) – Bi-Directional<br>ADOT Specifications: By special provision contact C&S for approved version. Stored Spec. currently under development.<br>ADOT Drawings: Drawings under development. Details required on project plans, contact Traffic Design for information and application requirements.<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|          | V-9 – Channelizing Devices – Markers for Concrete Barrier – Hard Plastic Prismatic Reflector Types<br>ADOT Specifications: None<br>ADOT Drawings: M32<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

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|-----|--|-----------------------------------|--|-------|-------|--|
| V-9 |  | Astro Optics JD 11<br>Delineators |  | 11/05 | 11/10 | Astro Optics Corporation<br>1200 Abbott Drive<br>Elgin, Illinois 60123<br>(847) 488-9151<br>(847) 488-9154– Fax              |
| V-9 |  | Stimsonite 965                    |  | 5/08  | 5/13  | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(800) 555-0217 - Fax |

| V-9A – Channelizing Devices – Markers for Concrete Barrier and Guardrail – “L-Shape” Semi-Flexible Plastic Types<br>ADOT Specifications: None<br>ADOT Drawings: M32<br>Responsible Section: Traffic Group |                |  |                               |                  |                   |   |
|---|----------------|--|-------------------------------|------------------|-------------------|---|
| Category  | ID/Rpt.<br>No. | Product  | Notes                         | Approval<br>Date | Recertify<br>Date | Manufacturer  |
| V-9A  |                | Astro Optics FB 33                               |                               | 4/08             | 4/13              | Astro Optics Corporation<br>1200 Abbott Drive<br>Elgin, Illinois 60123<br>(847) 488-9151<br>(847) 488-9154– Fax   |
| V-9A  |                | Astro Optics FB 34                               | Use below 3500 ft. elevation. | 11/05            | 11/10             | Astro Optics Corporation<br>1200 Abbott Drive<br>Elgin, Illinois 60123<br>(847) 488-9151<br>(847) 488-9154– Fax   |
| V-9A  | 92069          | PCBM-12  | Use below 3500-ft. elevation. | 11/05            | 11/10             | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-9A  |                | PCBM-9   |                               | 5/08             | 5/13              | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-9A  | 02115          | TD 9400 Roadguide                                |                               | 5/07             | 5/12              | Three D Traffic Works<br>430 North Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a>  |
| V-9A  | 02095          | TD 9304 Roadguide and<br>Concrete Barrier Marker |                               | 5/07             | 5/12              | Three D Traffic Works<br>430 North Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a>  |

|          | V-9B – Channelizing Devices – Markers for Concrete Barrier and Guardrail – “T-Shape” Hinged Types<br>ADOT Specifications: None<br>ADOT Drawings: M32<br>Responsible Section: Traffic Group |  |  |               |                |   |
|----------|--|--|--|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product                                    | Notes  | Approval Date | Recertify Date | Manufacturer  |
| V-9B     | 01122  | Astro Optics Flexi-Tab (FT) Barrier Marker |  | 4/08          | 4/13           | Astro Optics Corporation<br>1200 Abbott Drive<br>Elgin, Illinois 60123<br>(847) 488-9151<br>(847) 488-9154– Fax   |
| V-9B     | 03087  | BAM  | Product is approved for use with reflective sheeting only. The version with a prismatic reflector is not approved for use. | 5/07          | 5/12           | Plastic Safety Systems, Inc.<br>2444 Baldwin Road<br>Cleveland OH 44104<br>(800) 662-6338<br>(216) 231-2702 - Fax |

|          | V-9C – Channelizing Devices – Longitudinal Reflective Material for Concrete Barrier and Guardrail<br>ADOT Specifications: None<br>ADOT Drawings: M32<br>Responsible Section: Traffic Group |                                 |       |               |                |  |
|----------|--|---------------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                         | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-9C     | 02036  | Linear Delineation System (LDS) |       | 3/2009        | 3/14           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |

|          | V-10A – Channelizing Devices – Markers for Guardrail – Single Piece Metal Post Clip Mount Flexible Plastic Types<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|          | V-10C – Channelizing Devices – Markers for Guardrail, Flexible<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

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|-------|-------|--|--|-------|-------|---|
| V-10C | 91056 | Filtrona Extrusion Straight Guardrail Reflectors | White and yellow colors, 13" long by 3" wide                               | 11/05 | 11/10 | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-10C | 92-02 | Guardrail Delineators                            | White and yellow colors, 27" long by 3" wide                               | 11/05 | 11/10 | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>   |
| V-10C | 92-02 | Flexstake GR102.5                                | White and yellow colors, 30" long by 3" wide                               | 9/04  | 9/09  | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a>   |
| V-10C | 92-02 | GRD-2-27 Single Curve                            | White and yellow colors, 27" long by 3.75" wide                            | 5/08  | 5/13  | Carsonite Composites<br>605 Bob Gifford Blvd.<br>Early Branch SC 29916<br>(800) 648-7916<br><a href="http://www.carsonite.com/">http://www.carsonite.com/</a>   |
| V-10C | 07029 | NDM 27" Guardrail Marker                         |  | 12/07 | 12/12 | New Direction Manufacturing, Inc<br>830 Hydrangea Drive<br>North Fort Meyers FL 33903<br>239-464-6591<br><a href="http://www.ndm-inc.com">www.ndm-inc.com</a>   |
| V-10C | 02109 | TD 9100 Guardflex                                | Used as a channelizing device - marker for guardrails and a bridge marker. | 10/04 | 10/09 | Three D Traffic Works<br>430 N. Varney Street<br>Burbank CA 91502<br>(877) 843-9757<br>(818) 841-5096 – Fax<br><a href="http://www.trafficwks.com">www.trafficwks.com</a>   |

|          | V-10M – Channelizing Devices – Snow Pole<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                     |                           |               |                |   |
|----------|--|---------------------|---------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product             | Notes                     | Approval Date | Recertify Date | Manufacturer  |
| V-10M    | 92-08  | Flexstake Snow Tube | 2.5" diameter by 72" long | 9/04          | 9/09           | Flexstake, Inc.<br>2150 Andrea Lane<br>Fort Myers FL 33912<br>(800) 348-9839<br>(941) 482-3539 – Fax<br><a href="http://www.flexstake.com">http://www.flexstake.com</a> |

|          | V-14A – Pavement Marking – Adhesive for Raised Pavement Markers, Bituminous—Standard<br>ADOT Specifications: 706-2.05 & Materials Group Specifications<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                      |                                     |               |                |  |
|----------|---|--------------------------------------|-------------------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                              | Notes                               | Approval Date | Recertify Date | Manufacturer   |
| V-14A    |   | Crafco 34269                         |                                     | 4/06          | 4/11           | Crafco, Inc.<br>420 N. Roosevelt Avenue<br>Chandler AZ 85226<br>(800) 528-8242<br>(480) 961-0513 – Fax                       |
| V-14A    | 05040   | Dot Stick Bituminous Marker Adhesive |                                     | 9/09          | 9/14           | Henry Company<br>10144 Waterman Rd.<br>Elk Grove CA 95624<br>(916) 849-9908<br>(916) 714-4582 – Fax                          |
| V-14A    | 97049   | Gulf State                           | Evergrip Bituminous Marker Adhesive | 5/08          | 5/13           | Martin Asphalt Company<br>300 Christy Place<br>South Houston TX 77587<br>(713) 941-4410                                      |
| V-14A    |   | Stimsonite 2202031                   |                                     | 8/09          | 8/14           | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(972) 878-0685 – Fax |

|          | V-14B – Pavement Marking – Adhesive for Raised Pavement Markers, Melt-In-Place Thermoplastic<br>ADOT Specifications: 706-2.05 & Materials Group Specifications<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                     |                    |               |                |  |
|----------|---|---------------------|--------------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product             | Notes              | Approval Date | Recertify Date | Manufacturer   |
| V-14B    |   | Flint Trading Bundy |                    | 1/06          | 1/11           | Flint Trading, Inc.<br>P.O. Box 160<br>Thomasville NC 27361-0160<br>(336) 475-6600<br>(336) 475-7900   |
| V-14B    | 01118   | PreMark®            | Adhesive for RPM's | 9/09          | 9/14           | Flint Trading, Inc.<br>115 Todd Court<br>Thomasville NC 27360<br>(336) 475-6600<br>(336) 475-7900- Fax<br><a href="http://www.flintrading.com">www.flintrading.com</a> |

- Note: (1) This adhesive is not suitable for large quantity installations of raised pavement markers (RPMs) where a high degree of production is needed. It is intended to be used when there is only a small number of RPMs to be installed and/or for minor repair and maintenance work. In performance it appears to be an equal to bituminous adhesive.
- (2) Before melt-in-place RPM adhesive can be accepted as an equal to those adhesive products listed here in, it must pass a two-year in service road test on a site specified by TCPEC (e.g. westbound I-10 at Deck Tunnel). The tested adhesives must retain the RPMs to the pavement surface for the duration of the test. The required test period of two years may be made longer by TCPEC based on the results of on going tests.
- (3) Accelerated acceptance of new adhesives is possible after one year of successful performance on the approved TCPEC test deck and if the new adhesive has also been similarly tested and approved by other agencies (e.g. Texas, California).

|          | V-14C – Pavement Marking – Adhesive for Raised Pavement Markers, Epoxy<br>ADOT Specifications: 706-2.05 & Materials Group Specifications<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                      |       |               |                |  |
|----------|---|--------------------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                              | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-14C    | 01079   | Structurbond Resin with 550 Hardener |       | 9/07          | 9/12           | United Resin Corporation<br>4359 Normandy Court<br>Royal Oak MI 48073<br>(248) 549-8200<br>2622 N. Ogden, Suite 105<br>Mesa AZ 85215<br>(480) 830-3200 |

|          | V-14D – Pavement Marking – Adhesive for Raised Pavement Markers, Bituminous–Flexible<br>ADOT Specifications: 706-2.05 & Materials Group Specifications<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |  |
|----------|---|---|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                                       | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-14D    | 05037   | Flexible Dot Stick                            |       | 9/09          | 9/14           | Henry Company<br>10144 Waterman Rd.<br>Elk Grove CA 95624<br>(916) 849-9908<br>(916) 714-4582 – Fax          |
| V-14D    | 06016   | Hot-Applied Flexible Pavement Marker Adhesive |       | 9/09          | 9/14           | Crafco Inc.<br>420 N. Roosevelt Ave.<br>Chandler AZ 85226<br>(602) 276-0406 ext 2412<br>(480) 961-4772 – Fax |

|          | V-16 – Pavement Marking – Chip Seal Pavement Markers<br>ADOT Specifications: 701-2.08<br>ADOT Drawings: M20<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

|      |       |   |   |       |       |   |
|------|-------|---|---|-------|-------|---|
| V-16 | 98071 | APEX Model 932<br>TSI 4                                   | Temporary chip seal markers.  | 9/09  | 9/14  | APEX Universal, Inc.<br>11033 Forest Place<br>Santa Fe Springs CA 90670<br>(562) 944-8878<br>(562) 944-2298 – Fax   |
| V-16 | 93-08 | Dapco TRPM,<br>WZ Dbl. Cap                                | Work zone grade with double cover.<br>Yellow 2-way and White 1-way  | 11/05 | 11/10 | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-16 | 93-08 | Dapco TRPM,<br>WZ Dbl. Staple                             | Work zone grade with double staple.<br>Yellow 2-way and White 1-way | 11/05 | 11/10 | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-16 | 93-08 | Dapco TRPM,<br>WZ Standard                                | Standard work zone grade.<br>Yellow 2-way and White 1-way           | 11/05 | 11/10 | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |
| V-16 | 93-08 | Filtrona Extrusion<br>TRPM,<br>HH (High Heat)<br>Standard | High heat grade,<br>Yellow 2-way and White 1-way                    | 11/05 | 11/10 | Filtrona Extrusion/Davidson Traffic Control Products<br>3110 70 <sup>th</sup> Avenue East<br>Tacoma WA 98424-3608<br>(877) 335-4638<br>(253) 284-8080 – Fax<br><a href="http://www.davidsontraffic.com">www.davidsontraffic.com</a> |

|          | V-19 – Pavement Marking – Preformed Plastic Pavement Marking – Permanent, Hot Applied<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |           |  |                  |                   |   |
|----------|---|-----------|--|------------------|-------------------|---|
| Category | ID/Rpt.<br>No.  | Product   | Notes  | Approval<br>Date | Recertify<br>Date | Manufacturer  |
| V-19     | 02021   | Flametape | Melt-in-place thermoplastic                  | 7/05             | 7/10              | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>800-555-0217-Fax                        |
| V-19     | 91014   | Hot Tape  | Melt-in-place. Preformed thermoplastic tape. | 3/08             | 3/13              | Flint Trading, Inc.<br>115 Todd Court<br>Thomasville NC 27361<br>(336) 475-6600<br><a href="http://www.flintrading.com">www.flintrading.com</a> |

|      |       |          |                             |       |      |  |
|------|-------|----------|-----------------------------|-------|------|--|
| V-19 | 01118 | PreMark® | Melt-in-place thermoplastic | 10/03 | 9/14 | Flint Trading, Inc.<br>115 Todd Court<br>Thomasville NC 27360<br>(336) 475-6600<br>(336) 475-7900- Fax |
|------|-------|----------|-----------------------------|-------|------|--|

|          | V-19R – Pavement Marking – Preformed Plastic Pavement Marking – Permanent, Hot Applied – Route Marking<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|          | V-20A – Pavement Marking – Short-Line Preformed Plastic Pavement Marking – Type I (Permanent)<br>ADOT Specifications: 705-2.01<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |   |               |                |  |
|----------|---|---|---|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes   | Approval Date | Recertify Date | Manufacturer   |
| V-20A    | 06037   | 3M Stamark Pavement Marking Tape Series<br>270 ES | 270 ES – white<br>271 ES – yellow   | 12/06         | 12/11          | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-20A    | 93-10A  | ATM 300   | Meets the requirements of the proposed spec. Type I-A (general purpose) and Type I-B (high durability). | 9/09          | 9/14           | Advanced Traffic Markings<br>P.O. Box H<br>Roanoke Rapids NC 27870<br>(919) 536-2574   |
| V-20A    | 03076   | ATM 400   |   | 9/07          | 9/12           | Advanced Traffic Markings<br>P.O. Box H<br>Roanoke Rapids NC 27870<br>(919) 536-2574   |
| V-20A    | 06047   | ATM 400+ Extended Life Marking Tape               |   | 9/07          | 9/12           | Advanced Traffic Markings<br>P.O. Box H<br>Roanoke Rapids NC 27870<br>(919) 536-2574   |
| V-20A    | 92-77   | Brite-Line 1000                                   | Meets the requirements of the proposed spec. Type I-A (general purpose) and Type I-B (high durability). | 4/08          | 4/13           | Brite-Line Technologies, Inc.<br>104 Revere Street<br>Canton Massachusetts 02021<br>(888) 201.6448<br>(888) 208.0758 – Fax   |
| V-20A    | 05055   | Brite-Line 5000                                   |   | 4/06          | 4/11           | Brite-Line Technologies, Inc.<br>10660 E. 51st Ave<br>Denver CO  |
| V-20A    | 00050   | Director-60 Permanent Pavement Marking Tape       |   | 12/07         | 12/12          | Swarco<br>P.O. Box 89<br>Columbia TN 38402-0089<br>(931) 388-5900  |

|       |       |   |                                       |       |       |  |
|-------|-------|---|---------------------------------------|-------|-------|--|
| V-20A | 03120 | High Performance Tape Series 380I ES      | Can also be included in Category V-21 | 10/05 | 10/10 | 3M Company<br>1776 East Horseshoe Court<br>Gilbert, AZ 85296<br>480.221.5407<br>480.705.5291- Fax  |
| V-20A |       | High Performance 381I                     |                                       | 1/06  | 1/11  | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-20A |       | Stamark High Performance Tape Series 380I |                                       | 2/08  | 2/13  | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |

|          | V-20B – Pavement Marking – Long-Line Preformed Plastic Pavement Marking – Type I (Permanent)<br>ADOT Specifications: 705-2.01<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |  |                                       |               |                |  |
|----------|--|--|---------------------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product  | Notes                                 | Approval Date | Recertify Date | Manufacturer   |
| V-20B    | 07107  | 3M Stamark High Performance Tape Series 390    |                                       | 3/09          | 3/14           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-20B    | 06037  | 3M Stamark Pavement Marking Tape Series 270 ES | 270 ES – white<br>271 ES – yellow     | 12/06         | 12/11          | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-20B    |  | Stamark High Performance Tape Series 380I      |                                       | 2/08          | 2/13           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-20B    | 03120  | High Performance Tape Series 380I ES           | Can also be included in Category V-21 | 10/05         | 10/10          | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-20B    |  | High Performance 381I                          |                                       | 1/06          | 1/11           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |

|          | V-20P – Pavement Marking – Preformed Plastic Pavement Marking – Type I (Permanent) – Route Marking<br>ADOT Specifications: 705-2.01<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|          | V-20W – Pavement Marking – Preformed Plastic Pavement Marking – Type I (Permanent) – Wet Reflective<br>ADOT Specifications: 705-2.01<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |  |       |               |                |  |
|----------|---|--|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product  | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-20W    | 05054   | 3M Stamark High Performance Wet Reflective Tape 380WR (white) / 381WR (yellow) |       | 3/09          | 3/14           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-20W    | 08057   | 3M Stamark High Performance Wet Reflective Tape 380AW (white) & 381AW (yellow) |       | 3/09          | 3/14           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |

|          | V-21 – Pavement Marking – Preformed Plastic Pavement Marking – Type II (Temporary, Removable)<br>ADOT Specifications: 705-2.02<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |                             |               |                |  |
|----------|---|---|-----------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes                       | Approval Date | Recertify Date | Manufacturer   |
| V-21     | 07016   | 3M Stamark Wet Reflective Removable Tape Series 780 |                             | 12/08         | 12/13          | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a>         |
| V-21     | 93-09   | ATM 200   |                             | 9/09          | 9/14           | Advanced Traffic Markings<br>P.O. Box H<br>Roanoke Rapids NC 27870<br>(919) 536-2574   |
| V-21     |   | Aztec   | 102 – white<br>390 - yellow | 9/09          | 9/14           | P.B. Laminations, Inc.<br>2940 Mary Ave.<br>P.O. Box 440126<br>Brentwood MO 63144<br>(800) 366-2569<br><a href="http://www.pblaminations.com/">http://www.pblaminations.com/</a> |

|      |       |                |  |      |      |  |
|------|-------|----------------|--|------|------|--|
| V-21 | 93-02 | Brite-Line 100 |  | 4/08 | 4/13 | Brite-Line Technologies, Inc.<br>104 Revere Street<br>Canton Massachusetts 02021<br>(888) 201.6448<br>(888) 208.0758 – Fax |
|------|-------|----------------|--|------|------|--|

|          | V-21W – Pavement Marking – Preformed Plastic Pavement Marking – Type II (Temporary, Removable) – Wet Reflective<br>ADOT Specifications: 705-2.02<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|          | V-22 – Pavement Marking – Preformed Plastic Pavement Marking – Type III (Temporary, Non-Removable)<br>ADOT Specifications: 705-2.03<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |  |
|----------|--|---|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product   | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-22     |  | Flex-O-Line 300   |       | 8/09          | 8/14           | FOL Tape, LLC<br>2025 Hitzert Ct.<br>Fenton MO 63026<br>(888) 365-8273<br>(636) 343-1814 - Fax<br><a href="http://www.foltape.com">www.foltape.com</a> |
| V-22     | 01058  | Visa-line Temporary marking Tape (Type III – Non-removable) |       | 4/08          | 4/13           | Swarco<br>P.O. Box 89<br>Columbia TN 38402<br>(931) 388-5900<br><a href="http://www.swarco.com">http://www.swarco.com</a>                              |

|          | V-23 – Pavement Marking – Retroreflective Raised Pavement Markers (RRPM)- Permanent (Abrasion Resistant)<br>ADOT Specifications: 706<br>ADOT Drawings: M19<br>Responsible Section: Traffic Group |                     |       |               |                |  |
|----------|--|---------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product             | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-23     |  | 3M 290<br>All Types |       | 9/03          | 9/08           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-23     | 03110  | C80                 |       | 5/08          | 5/13           | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(800) 555-0217 - Fax   |

|      |       |                                |  |      |      |  |
|------|-------|--------------------------------|--|------|------|--|
| V-23 | 01048 | C88 Raised Pavement Marker     | This product is approved subject to the conditions of Note (3) below.  | 5/08 | 5/13 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(800) 555-0217 - Fax   |
| V-23 | 01049 | Model 911 – Urethane Fill      | Conditionally approved, subject to laboratory and field-testing. Final evaluation by 6/2003.   | 5/08 | 5/13 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(800) 555-0217 - Fax   |
| V-23 |       | Ray-O-Lite AA-ARC II All Types | CAUTION: The ARC II marker uses the same body as the Ray-O-Lite AA. All ARC II markers should be inspected to ensure that they have the "ARC II" markings on the side of the marker. | 6/03 | 6/08 | Rayolite<br>4500 N. Sam Houston Pkwy. W, Suite 120<br>Houston TX 77086<br>(800) 848-7025<br>(281) 583-1506 – Fax<br><a href="http://www.rayolite.com">www.rayolite.com</a> |
| V-23 |       | Ray-O-Lite 2002 All Types      | CAUTION: For applications below 3800 feet this marker should only be used on PCCP.   | 6/03 | 6/08 | Rayolite<br>4500 N. Sam Houston Pkwy. W, Suite 120<br>Houston TX 77086<br>(800) 848-7025<br>(281) 583-1506 – Fax<br><a href="http://www.rayolite.com">www.rayolite.com</a> |
| V-23 |       | Stimsonite 911 All Types       | CAUTION: The 911 marker uses the same body as the Stimsonite 88. All 911 markers should be inspected to ensure that the glass face has been applied to the reflecting surface.       | 5/08 | 5/13 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(800) 555-0217 - Fax   |
| V-23 |       | Stimsonite 953 All Types       | CAUTION: For applications below 3800 feet this marker should only be used on PCCP.   | 5/08 | 5/13 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(800) 555-0217 - Fax   |

Note: (1) Before a new abrasion resistant marker can be listed herein, it must pass a two-year in service road test on a site specified by TCPEC (e.g. westbound I-10 at Deck Tunnel). The tested markers (typically a type C or G) must maintain adequate brightness throughout the length of this test. Adequate retained brightness will be determined by TCPEC, (via visual inspection and/or retroreflectivity readings), but will mostly be based on the comparative performance of listed markers that should be placed in the same test deck. The successful performance of the tested Type C (white/red) or Type G (white) RRPM is assumed to assure proper performance for the Type D (Yellow/Yellow) and Type H (Yellow) markers. The required test period of two years maybe made longer by the TCPEC based on the results of on going tests.

(2) Permanent RRPM's in this class should be tested to confirm the presence of an abrasion resistant surface. An appropriate test is to use a piece of steel wool and rub it on the lens of the reflector of the RRPM. If there is an abrasion resistant surface on the marker, the lens will show few if any scratches. If the marker is easily scratched, it is not an abrasion resistant treated marker.

(3) Accelerated acceptance of new marker is possible after one year of successful performance on the approved TCPEC test deck and if the new markers have also been similarly tested and approved by other agencies (e.g. Texas, California). Additionally, to gain conditional approval the manufacturer must warranty their marker until it has successfully completed the two-year test. If the marker does not pass the two-year test the manufacturer must agree to replace all failed markers that are installed on the ADOT roadways during the conditional approval period. Conditional approvals do not apply to the state raised pavement marker maintenance contract.

(4) Raised retroreflective markers (RRPM) should not be applied via a pavement surface configuration elevation of 3800 feet or above.

|          | V-24P – Pavement Marking – Transverse Rumble Strip Materials – Permanent<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|          | V-24T – Pavement Marking – Transverse Rumble Strip Materials – Temporary Removable<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |   |
|----------|--|---|-------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product                                   | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-24T    | 09023  | ATM Removable Rumble Strip                |       | 9/09          | 9/14           | Advance Traffic Markings<br>100 Patch Rubber Rd.<br>Weldon NC 27890<br>(252) 536-2574 ext.123<br>(252) 536-4940 – Fax<br><a href="http://www.trafficmarkings.com">www.trafficmarkings.com</a> |
| V-24T    | 09034  | RoadQuake Temporary Portable Rumble Strip |       | 9/09          | 9/14           | Plastic Safety Systems, Inc.<br>2444 Baldwin Rd.<br>Cleveland OH 44104<br>(216) 244-3207<br>(216) 231-2702 – Fax<br><a href="http://www.plasticsafety.com">www.plasticsafety.com</a>          |

|          | V-25 – Pavement Marking – Dual Component Pavement Markings<br>ADOT Specifications: By special provision contact C&S for approved version. Stored spec. currently under development<br>ADOT Drawings: N/A<br>Responsible Section: Traffic Group |                                |       |               |                |   |
|----------|--|--------------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product                        | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-25     |  | Epoplex LS50 (epoxy)           |       | 5/08          | 5/13           | Epoplex<br>(division of Stoncor Group, Inc.)<br>One Park Avenue<br>Maple Shade NJ 08052<br>(856) 667-8399<br>(856) 321-7559 |
| V-25     | 01025  | HPS-3 White & Yellow           |       | 10/05         | 10/10          | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis, TX 75119<br>(800) 331-8118<br>800-555-0217-Fax   |
| V-25     |  | LDI Super LifeLine III (epoxy) |       | 11/05         | 11/10          | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis, TX 75119<br>(800) 331-8118<br>800-555-0217-Fax   |

|      |       |   |   |       |       |   |
|------|-------|---|---|-------|-------|---|
| V-25 |       | Mark 55.3   | Based on NTPEP two years evaluation   | 11/05 | 11/10 | Poly-Carb, Inc.<br>33095 Bainbridge Rd.<br>Cleveland OH 44139<br>(440) 248-1223<br>(440) 248-1513 – Fax<br><a href="http://www.poly-carb.com">www.poly-carb.com</a> |
| V-25 |       | Mark 55.6   | Based on NTPEP two years evaluation<br>Designers specifying this product exclusively are to provide proper required justification to funding agency.  | 11/05 | 11/10 | Poly-Carb, Inc.<br>33095 Bainbridge Rd.<br>Cleveland OH 44139<br>(440) 248-1223<br>(440) 248-1513 – Fax<br><a href="http://www.poly-carb.com">www.poly-carb.com</a> |
| V-25 |       | Mark-55   | Epoxy   | 9/09  | 9/14  | Poly-Carb, Inc.<br>33095 Bainbridge Rd.<br>Cleveland OH 44139<br>(440) 248-1223<br>(440) 248-1513 – Fax<br><a href="http://www.poly-carb.com">www.poly-carb.com</a> |
| V-25 |       | TMT-Pathway Dura-Stripe Type V (spray)<br>(Methyl methacrylate [MMA])             | The exclusive use of MMA on a project requires prior FHWA approval if the project is federally funded. Contact Traffic Group for an application guide for dual component pavement markings. | 11/05 | 11/10 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(800) 555-0217 - Fax  |
| V-25 | 03002 | TM8212/TM8214 Hotline Epoxy Traffic Marking Paint                                 |   | 10/04 | 10/09 | The Sherwin Williams Company<br>2135 East Jones Avenue<br>Phoenix AZ 85040<br>(602)292.2077<br>(602)252.7562  |
| V-25 | 03003 | TM8215/TM8214 Hotline Epoxy Traffic Marking Paint Color: Traffic Lead Free Yellow |   | 10/05 | 10/10 | The Sherwin Williams Company<br>2135 East Jones Avenue<br>Phoenix, AZ 85040<br>602.292.2077<br>602.252.7562-fax   |
| V-25 | 01026 | URETECH(TM) HPS-4 Modified Urethane Pavement Markings                             |   | 10/05 | 10/10 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis, TX 75119<br>(800) 331-8118<br>800-555-0217-Fax   |

|          | V-25P – Pavement Marking – Profile Pavement Markings<br>ADOT Specifications: By special provision contact C&S for approved version. Stored spec. currently under development<br>ADOT Drawings: N/A<br>Responsible Section: Traffic Group |          |                       |               |                |  |
|----------|--|----------|-----------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product  | Notes                 | Approval Date | Recertify Date | Manufacturer   |
| V-25P    |  | Aqualite | Profile Thermoplastic | 11/05         | 11/10          | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>800-555-0217-Fax |

|  |  |            |   |      |       |  |
|--|--|------------|---|------|-------|--|
| V-25P  |  | Lane Alert | Profile Thermoplastic with bumps and inverted profiles. | 8/09 | 8/14  | Rainline Corporation<br>P.O. 211059<br>Montgomery AL 36121-1059<br>(334) 277-0237<br>(334) 277-0459 – Fax  |
| V-25P  |  | Vibraline  | Profile Thermoplastic                                   | 3/04 | 10/13 | Brite-Line, LLC<br>10660 E. 51st Ave.<br>Denver CO 80239<br>(303) 375-1293<br>(303) 375-8557 – Fax<br><a href="http://www.brite-line.com">www.brite-line.com</a> |
| <p>Note: (1) Profile markings shall be used at elevations of 3,800 feet and less. These types of pavement markings are not suitable for snow removal areas.</p> <p>(2) The use of this type of product requires an item number special provision. An approved version of this special provision is available from ADOT Contracts and Specifications.</p> <p>(3) Profile pavement marking require the use of specialized installation equipment. Due to the expense of this equipment a minimum quantity of 40,000 feet should be involved on a project to make the utilization of this type of marking system cost effective.</p> <p>(4) For shoulder applications profile pavement marking systems are intended to be used as an alternative to contiguous ground-in longitudinal rumble strip. However, profile markings should only be specified when some reason prevents the use of the ground-in rumble strip (e.g. when shoulders are less than 4 feet wide and there are obstructions immediately adjacent to the roadway and/or there is significant bike use, etc.)</p> <p>(5) Profile markings can be used on the centerline.</p> <p>(6) The approval of other profile pavement marking products other than those listed, requires at least a six-month Arizona based road test and proof of other successful applications.</p> |  |            |   |      |       |  |

|          | V-25W – Pavement Marking – Dual Component Pavement Markings – Wet Reflective<br>ADOT Specifications: By special provision contact C&S for approved version. Stored spec. currently under development<br>ADOT Drawings: N/A<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|          | V-26 – Pavement Marking – Thermoplastic Striping & Markings<br>ADOT Specifications: 704<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                        |       |               |                |  |
|----------|--|------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-26     |  | Thermoplastic Products |       | 11/05         | 11/10          | TMT-Pathway, LLC<br>1021 North Mission Road<br>Los Angeles CA 90033<br>(213) 225-4154                                    |
| V-26     |  | Thermoplastic Products |       | 11/05         | 11/10          | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>800-555-0217-Fax |

|      |       |   |  |      |      |  |
|------|-------|---|--|------|------|--|
| V-26 | 08046 | 3M All Weather Thermoplastic  |  | 3/10 | 3/15 | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-26 |       | Thermoplastic Products  |  | 5/06 | 5/11 | Crown Technology II, LLC<br>35 Industrial Park Drive<br>P.O. Box 789<br>Woodbury GA 30293<br>(706) 553-9500<br>(706) 553-9501 – Fax                                      |
| V-26 |       | Thermoplastic Products<br>(Swarcotherm<br>Thermoplastic Alkyd &<br>Hydrocarbon Binders) |  | 4/08 | 4/13 | Swarco<br>P.O. Box 89<br>Columbia TN 38402-0089<br>(931) 388-5900<br>(931) 388-4039 – Fax  |

Note: (1) Applies to both Alkyd and Hydrocarbon

|          | V-26W – Pavement Marking – Thermoplastic Striping & Markings – Wet Reflective<br>ADOT Specifications: 704<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|          | V-27 – Traffic Paint – Water-Borne<br>ADOT Specifications: CalTrans traffic paint spec. 8010-61G-30<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                      |  |               |                |  |
|----------|--|----------------------|--|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product              | Notes  | Approval Date | Recertify Date | Manufacturer   |
| V-27     | 06036  | 3M All Weather Paint |  | 3/08          | 3/13           | 3M<br>3M Center, Building 225-5S-08<br>St. Paul MN 55144<br>(480) 221-5407   |
| V-27     | 98-27  | AZW 27-M-1           | White Ennis Traffic Safety Solutions dba<br>Ennis Paint – Water Borne  | 8/09          | 8/14           | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(972) 878-0685 – Fax |
| V-27     | 98-27  | AZY 27-M-1           | Yellow Ennis Traffic Safety Solutions dba<br>Ennis Paint – Water Borne | 8/09          | 8/14           | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(972) 878-0685 – Fax |

|      |       |               |  |      |      |  |
|------|-------|---------------|--|------|------|--|
| V-27 | 91-56 | White 2342A9  |  | 8/09 | 8/14 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(972) 878-0685 – Fax |
| V-27 | 91-56 | Yellow 2343A9 |  | 8/09 | 8/14 | Ennis Traffic Safety Solutions dba Ennis Paint<br>1509 S Kaufman<br>Ennis TX 75119<br>(800) 331-8118<br>(972) 878-0685 – Fax |

|          | V-27W – Traffic Paint – Water-Borne – Wet Reflective<br>ADOT Specifications: CalTrans traffic paint spec. 8010-61G-30<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|  | V-29 – Signal and Lighting – Cabinet Mounted Service Enclosure<br>ADOT Specifications: 736<br>ADOT Drawings: T.S. 3-14<br>Responsible Section: Traffic Group |         |       |               |                |              |
|--|--|---------|-------|---------------|----------------|--------------|
| <b>PER SHOP AND STANDARD DRAWINGS AND SPECIFICATIONS</b> |  |         |       |               |                |              |
| Category   | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|  |  |         |       |               |                |              |

|          | V-30 – Signal and Lighting – Cabinet – Surge Protector<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |  |
|----------|--|---------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-30     | 01075  | DOT-17  |       | 5/07          | 5/12           | Arris Technologies, Inc.<br>15130 Vinola Drive<br>Montverde FL 34756<br>(407) 469-4882<br>(407) 469-4390 - Fax |
| V-30     | 06052  | HE75CX  |       | 6/06          | 6/11           | HESCO/RLS, Inc.<br>1470 Kastner Place, Suite 112<br>Sanford FL 32771<br>(800) 547-4868                         |

|      |       |                                  |  |      |      |   |
|------|-------|----------------------------------|--|------|------|---|
| V-30 | 92085 | Protector<br>HS-P-SP-120A-30A-RJ |  | 6/04 | 6/09 | Eaton Corporation<br>Innovative Technology TVSS Products<br>1000 Cherrington Parkway<br>Moon Township PA 15108-4312<br>(800) 647-8877<br><a href="http://www.eatonelectrical.com/itvss">www.eatonelectrical.com/itvss</a> |
| V-30 | 92085 | Protector<br>HS-P-SP-120A-60A-RJ |  | 6/04 | 6/09 | Eaton Corporation<br>Innovative Technology TVSS Products<br>1000 Cherrington Parkway<br>Moon Township PA 15108-4312<br>(800) 647-8877<br><a href="http://www.eatonelectrical.com/itvss">www.eatonelectrical.com/itvss</a> |

|          | V-31Y – Signal and Lighting – Yielding Bases<br>ADOT Specifications: 731<br>ADOT Drawings: Drawings T.S.5-1 (30 ft. pole), T.S.5-2 (40 ft. pole and above)<br>Responsible Section: Traffic Group |                           |       |               |                |  |
|----------|--|---------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                   | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-31Y    |  | ATB2-17 (Type 2 Base)     |       | 9/06          | 9/11           | KW Industries, Inc.<br>909 Industrial Boulevard<br>Sugar Land TX 77478<br>(713) 240-0909   |
| V-31Y    |  | ATB3-17 (Type 3 Base)     |       | 9/06          | 9/11           | KW Industries, Inc.<br>909 Industrial Boulevard<br>Sugar Land TX 77478<br>(713) 240-0909   |
| V-31Y    |  | M104 (Type 2 Base)        |       | 9/06          | 9/11           | Valmont Industries, Inc.<br>One Valmont Parkway<br>P.O. Box 358<br>Valley NE 68064<br>(402) 359-2201   |
| V-31Y    |  | M098 (Type 3 Base)        |       | 9/06          | 9/11           | Valmont Industries, inc.<br>One Valmont Parkway<br>P.O. Box 358<br>Valley NE 68064<br>(402) 359-2201   |
| V-31Y    |  | OPTBW-15-17 (Type 3 Base) |       | 9/06          | 9/11           | Shakespeare Company<br>Rt. 3<br>P.O. Box 733<br>Newberry SC 29108<br>(803) 276-5504  |
| V-31Y    | 01095  | Pole-Safe                 |       | 9/09          | 9/14           | Transpo Industries<br>20 Jones Street<br>New Rochelle NY 10801<br>(914) 636-1000<br>(914) 636-1282 – Fax<br><a href="http://www.transpo.com">www.transpo.com</a> |

|       |  |   |  |      |      |  |
|-------|--|---|--|------|------|--|
| V-31Y |  | TB2-17 (Type 2 Base)<br>[Akron]           |  | 9/06 | 9/11 | Akron Foundry Company<br>2728 Wingate Avenue<br>Akron OH 44313<br>(330) 745-3101   |
| V-31Y |  | TB2-17 (Type 2 Base)<br>[Ameron]          |  | 9/06 | 9/11 | Ameron International<br>Pole Products Division<br>2333 South Yukon Street<br>Tulsa OK 74107<br>(918) 585-5611<br>(918) 587-9540 -Fax |
| V-31Y |  | TB2-17 (Type 2 Base)<br>[JEM Engineering] |  | 9/06 | 9/11 | JEM Engineering & Mfg. Co., Inc.<br>908 West 41 <sup>st</sup><br>P.O. Box 9160<br>Tulsa OK 74157<br>(918) 446-4517                   |
| V-31Y |  | TB2-17 (Type 2 Base)<br>[Millerbernd]     |  | 9/06 | 9/11 | Millerbernd Mfg. Company<br>622 6th Street South P.O. Box 98<br>Winsted MN 55395<br>(320) 485-2111                                   |
| V-31Y |  | TB3-17 (Type 3 Base)<br>[Akron]           |  | 9/06 | 9/11 | Akron Foundry Company<br>2728 Wingate Avenue<br>Akron OH 44313<br>(330) 745-3101   |
| V-31Y |  | TB3-17 (Type 3 Base)<br>[Ameron]          |  | 9/06 | 9/11 | Ameron International<br>Pole Products Division<br>2333 South Yukon Street<br>Tulsa OK 74107<br>(918) 585-5611<br>(918) 587-9540 -Fax |
| V-31Y |  | TB3-17 (Type 3 Base)<br>[JEM Engineering] |  | 9/06 | 9/11 | JEM Engineering & Mfg. Co., Inc.<br>908 West 41 <sup>st</sup><br>P.O. Box 9160<br>Tulsa OK 74157<br>(918) 446-4517                   |
| V-31Y |  | TB3-17 (Type 3 Base)<br>[Millerbernd]     |  | 9/06 | 9/11 | Millerbernd Mfg. Company<br>622 6th Street South P.O. Box 98<br>Winsted MN 55395<br>(320) 485-2111                                   |
| V-31Y |  | TB2-17-H (Type 2<br>Base)<br>[P&K]        |  | 9/06 | 9/11 | P & K Pole Products, Inc.<br>84 Foundry Street<br>Newark NJ 07105<br>(973) 589-1500  |
| V-31Y |  | TB3-17-H (Type 3<br>Base)<br>[P&K]        |  | 9/06 | 9/11 | P & K Pole Products, Inc.<br>84 Foundry Street<br>Newark NJ 07105<br>(973) 589-1500  |

V-32A – Signal and Lighting – Electrical Conduit, PVC Pipe and Fittings  
ADOT Specifications: 732  
ADOT Drawings: None  
Responsible Section: Traffic Group

**ANY UL LABLED SCHEDULE 40 PVC PIPE**

V-32B – Signal and Lighting – Electrical Conduit, Galvanized Rigid Corrugated (GRC) and Fittings - Intermediate Metallic Conduit (IMC) and Fittings  
ADOT Specifications: 732  
ADOT Drawings: None  
Responsible Section: Traffic Group

**ANY UL LABLED**

V-32C – Signal and Lighting – Electrical Conduit, Liquid Tight Galvanized Steel Flexible Conduit PVC Coated (LTFC) and Fittings  
ADOT Specifications: 732  
ADOT Drawings: None  
Responsible Section: Traffic Group

**ANY UL LABLED**

V-32D – Signal and Lighting – High Density Polyethylene Electrical Conduit (HDPE)  
ADOT Specifications: 732  
ADOT Drawings: None  
Responsible Section: Traffic Group

**PER PROJECT SPECIFICATION**

V-32E – Signal and Lighting – Electrical Conductors  
ADOT Specifications: 732  
ADOT Drawings: None  
Responsible Section: Traffic Group

**ANY UL LABLED TYPE THW XHHW-2 UF CONDUCTOR**

V-32F – Signal and Lighting – Electric Multi Conductor Cable - Loop Detector Lead-In-Cable  
ADOT Specifications: 732  
ADOT Drawings: None  
Responsible Section: Traffic Group

**ANY IMSA LABLED TRAFFIC SIGNAL CABLE**

|                          | V-32G – Signal and Lighting – Multi Cable Video Detection Cable<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                |              |                          |                           |   |
|--------------------------|--|----------------|--------------|--------------------------|---------------------------|---|
| <b>PER PROJECT SPEC.</b> |  |                |              |                          |                           |   |
| <b>Category</b>          | <b>ID/Rpt.<br/>No.</b>   | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>   |
| V-32G                    | 06053  | All products   |              | 9/06                     | 9/11                      | ITERIS<br>1515 S. Manchester Ave.<br>Anaheim CA 92802-2907<br>(714) 774-5000                    |
| V-32G                    | 06054  | All products   |              | 9/06                     | 9/11                      | TRAFICON USA LLC<br>14520 Avion Parkway, Suite 305<br>Chantilly VA 20151<br>(703) 961-9617      |
| V-32G                    |  | RACKVISION     | Only         | 9/06                     | 9/11                      | ECONOLITE CONTROL PRODUCTS, INC.<br>3360 E. La Palma Ave.<br>Anaheim CA 92806<br>(714) 630-3700 |

|                 | V-32H – Signal And Lighting – Electrical Connectors<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |              |                          |                           |  |
|-----------------|--|---|--------------|--------------------------|---------------------------|--|
|                 |  |   |              |                          |                           |  |
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>   | <b>Product</b>                                      | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>  |
| V-32H           | 06055  | Blackburn Connector                                 |              | 9/06                     | 9/11                      | Thomas & Betts Corporation<br>8155 T&B Boulevard<br>Memphis TN 38125<br>(901) 252-5000 |
| V-32H           | 00055  | SLK-M Flood Seal –<br>Disconnectable Fuse<br>Holder |              | 9/06                     | 9/11                      | HMC - Homac Mfg. Company<br>12 Southland Road<br>Ormond Beach FL 32174                 |

|                 | V-32J – Signal and Lighting – In-Line Fuse Connector<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                |              |                          |                           |  |
|-----------------|---|----------------|--------------|--------------------------|---------------------------|--|
|                 |   |                |              |                          |                           |  |
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>  | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>  |
| V-32J           | 06056   | All products   |              | 9/06                     | 9/11                      | Buchanan Construction Products, Inc.<br>101-T Bilby Rd.<br>Hackettstown NJ 07840<br>(908) 850-5200<br>(800) 610-5201<br>(908) 852-7342 – Fax |

|       |       |              |  |      |      |   |
|-------|-------|--------------|--|------|------|---|
| V-32J | 06057 | All products |  | 9/06 | 9/11 | Littelfuse<br>800 E. Northwest Highway<br>Desplaines IL 60016<br>(847) 824-1188 |
|-------|-------|--------------|--|------|------|---|

|          | V-32K – Signal And Lighting – Connectors and Power Distribution Block<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|--|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-32K    |  | All products |       | 9/06          | 9/11           | 3M Corp. – Traffic Control Materials Div.<br>3M Center Bldg. 223-3N-01<br>St. Paul MN 55144-1000<br>(800) 553-1380 |

|          | V-34 – Signal and Lighting – Traffic Control Cabinet<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |  |
|----------|---|---|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-34     |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Avenue<br>Anaheim CA 92806-0150<br>(714) 630-3700     |
| V-34     |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Safetran Traffic Systems<br>1485 Garden of the Gods Rd.<br>Colorado Springs CO 80907<br>(719) 599-5600 |
| V-34     |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | SIEMENS ITS/EAGLE<br>8004 Cameron Rd.<br>Austin TX 78753<br>(512) 837-8310                             |
| V-34     |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | U.S. Traffic Corp.<br>9603 John St.<br>Santa Fe CA 90670<br>(800) 733-7872                             |

|          | V-34A – Signal and Lighting – Traffic Signal Controller Units<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |  |
|----------|--|---|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product   | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-34A    |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Ave.<br>Anaheim CA 92806-0150<br>(714) 630-3700   |
| V-34A    |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Peek Traffic Systems, Inc.<br>3000 Commonwealth Boulevard<br>Tallahassee FL 32303-3157<br>(850) 562-2253<br>(850) 562-4126 – Fax   |
| V-34A    |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Siemens ITS<br>8004 Cameron Rd.<br>Austin, Texas 78753<br>Local: Phoenix Highway Products, Inc., 2202 W. Lone Cactus Drive, #4, Phoenix AZ 85027<br>(623) 434-0509<br>(623) 434-0511 – Fax                   |
| V-34A    |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | U.S. Traffic Corp.<br>9603 John St.<br>Santa Fe CA 90670<br>(800) 733-7872<br>(562) 923-7555 – Fax   |
| V-34A    |  | Microcomputer - Model 179   |       | 9/06          | 9/11           | Safetran Traffic Systems<br>1485 Garden of the Gods Rd<br>Colorado Springs CO 80907<br>(719) 599-5600<br>(719) 599-3853-Fax<br><a href="http://www.Safetran-Traffic.com">http://www.Safetran-Traffic.com</a> |
| V-34A    |  | NT-900 w/ MPS-P, MPS-T-C  |       | 9/06          | 9/11           | Naztec<br>820 Park Two Drive<br>P.O. Box 765<br>Sugarland TX 77487-0765<br>(281) 240-7233<br>(281) 240-7238  |

|          | V-34B – Signal and Lighting – Load Switch & Flasher Transfer Relay<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |

|       |  |   |  |      |      |  |
|-------|--|---|--|------|------|--|
| V-34B |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |  | 9/06 | 9/11 | Econolite Control Products<br>3360 East La Palma Avenue<br>Anaheim CA 92806-0150<br>(714) 630-3700 |
| V-34B |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |  | 9/06 | 9/11 | EDI - Eberle Design Inc.<br>3819 East La Salle Street<br>Phoenix AZ 85040<br>(480) 968-6407        |
| V-34B |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |  | 9/06 | 9/11 | SIEMENS ITS/EAGLE<br>8004 Cameron Rd.<br>Austin TX 78753<br>(512) 837-8310                         |
| V-34B |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |  | 9/06 | 9/11 | Southwest Traffic Systems<br>2702 E. Amberwood Dr.<br>Phoenix AZ 85048<br>(480) 706-7987           |

|          | V-34C – Signal and Lighting – Conflict Monitors<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |                    |               |                |  |
|----------|--|---|--------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product   | Notes              | Approval Date | Recertify Date | Manufacturer   |
| V-34C    | 08065  | NM512   | Conflict Monitor   | 3/10          | 3/15           | Southwest Traffic Systems Inc.<br>820 Park Two Drive<br>Sugar Land TX 77478<br>(281) 240-7233                              |
| V-34C    | 08066  | NM512-E123  | Conflict Monitor   | 3/10          | 3/15           | Southwest Traffic Systems Inc.<br>820 Park Two Drive<br>Sugar Land TX 77478<br>(281) 240-7233                              |
| V-34C    |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions | 12-channel monitor | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Avenue<br>Anaheim CA 92806-0150<br>(714) 630-3700<br>(714) 630-6349 – Fax |
| V-34C    |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions | 12-channel monitor | 9/06          | 9/11           | EDI - Eberle Design Inc.<br>3819 East La Salle Street<br>Phoenix AZ 85040<br>(480) 968-6407                                |

|       |  |   |                    |      |      |  |
|-------|--|---|--------------------|------|------|--|
| V-34C |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions | 12-channel monitor | 9/06 | 9/11 | SIEMENS ITS/EAGLE<br>8004 Cameron Rd.<br>Austin TX 78753<br>(512) 837-8310 |
|-------|--|---|--------------------|------|------|--|

|          | V-34D – Signal and Lighting – Detector Power Supply & Detector Rack and Card<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |  |
|----------|---|---|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-34D    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Avenue<br>Anaheim CA 92806-0150<br>(714) 630-3700 |
| V-34D    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | EDI - Eberle Design Inc.<br>3819 East La Salle Street<br>Phoenix AZ 85040<br>(480) 968-6407        |
| V34D     |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | ITERIS<br>1515 S. Manchester Ave.<br>Anaheim CA 92802-2907<br>(714) 774-5000                       |
| V-34D    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | RENO<br>4655 Aircenter Circle<br>Reno NV 89502-5948<br>(775) 826-2020                              |
| V-34D    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | SIEMENS ITS/EAGLE<br>8004 Cameron Rd.<br>Austin TX 78753<br>(512) 837-8310                         |
| V-34D    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | TRAFICON USA LLC<br>14520 Avion Parkway, Suite 305<br>Chantilly VA 20151<br>(703) 961-9617         |

|       |  |   |  |      |      |  |
|-------|--|---|--|------|------|--|
| V-34D |  | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |  | 9/06 | 9/11 | Unitrack Industries<br>967 E. Masten Circle<br>Milford, DE 19963<br>(302) 424-5050 |
|-------|--|---|--|------|------|--|

|          | V-34E – Signal and Lighting – Control Cabinet GPS Time Reference<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |   |
|----------|---|---|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product   | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-34E    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | RTC Manufacturing, Inc.<br>P. O. Box 150189<br>Arlington TX 76015<br>(800) 782-8721 |
| V-34E    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Symmetricom<br>2300 Orchard Parkway<br>San Jose CA 95131<br>(408) 433-0910          |

|          | V-34F – Signal and Lighting – Control Cabinet NEMA "D" Connector Panel<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |  |
|----------|---|---|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product   | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-34F    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Avenue<br>Anaheim CA 92806-0150<br>(714) 630-3700 |
| V-34F    |   | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | SIEMENS ITS/EAGLE<br>8004 Cameron Rd.<br>Austin TX 78753<br>(512) 837-8310                         |

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|--|---|--|--|--|--|--|
|  | V-35A – Signal and Lighting – Detector Loop Sealant (hot pour)<br>ADOT Specifications: 735<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |  |  |  |  |  |
|--|---|--|--|--|--|--|

| <b>Category</b> | <b>ID/Rpt. No.</b> | <b>Product</b>                        | <b>Notes</b>                  | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b>  |
|-----------------|--------------------|---------------------------------------|-------------------------------|----------------------|-----------------------|--|
| V-35A           | 95020              | Bondo-#575                            |                               | 6/03                 | 6/08                  | Bondo Corporation<br>3700 Atlanta Industrial Parkway<br>Atlanta GA 30331<br>(800) 241-3386   |
| V-35A           |                    | CRF                                   |                               | 9/06                 | 9/11                  | Golden Bear Division, Witco Chemical Corp.<br>10100 Santa Monica Blvd., Suite 1470<br>Los Angeles CA 90067<br>(213) 277-4511   |
| V-35A           | 06058              | Duraloop                              |                               | 9/06                 | 9/11                  | Duraloop<br>11360 NW Dove Ave<br>Terrebonne OR 97760<br>(541) 548-8611   |
| V-35A           |                    | Hot Applied Rubberized Sealant #34271 |                               | 4/08                 | 4/13                  | Crafco, Inc.<br>420 N. Roosevelt Ave.<br>Chandler AZ 85226<br>(800) 528-8242<br>(480) 961-0513 – Fax   |
| V-35A           |                    | Loop Sealant #5000                    |                               | 9/06                 | 9/11                  | 3M Corp. – Traffic Control Materials Div.<br>3M Center Bldg. 223-3N-01<br>St. Paul MN 55144-1000<br>(800) 553-1380   |
| V-35A           | 92-60              | Sealex Loop Sealant                   | Traffic loop detector sealant | 1/06                 | 1/11                  | W.R. Meadows of Arizona, Inc.<br>4220 South Sarival Ave.<br>Goodyear AZ 85338<br>(623) 932-9383<br>(623) 932-1547 – Fax<br><a href="http://www.wrmeadows.com/">http://www.wrmeadows.com/</a> |

|  | V-35B – Signal and Lighting – Emulsified Sealant (cold pour)<br>ADOT Specifications: 735<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                  |  |                      |                       |   |
|--|---|----------------------------------|--|----------------------|-----------------------|---|
| <b>Category</b>                            | <b>ID/Rpt. No.</b>  | <b>Product</b>                   | <b>Notes</b>   | <b>Approval Date</b> | <b>Recertify Date</b> | <b>Manufacturer</b>   |
| V-35B                                      | 04007   | Inductive Cold Pour Loop Sealant | Asphalt emulsion based crack filler with filler to seal saw cuts in asphalt or concrete pavements. | 10/04                | 10/09                 | Brewer Cote of Arizona<br>5226 W. Missouri Ave.<br>Glendale AZ 85301<br>(623) 931-3728<br><a href="http://www.brewercoteaz.com/">http://www.brewercoteaz.com/</a> |
| V-35B                                      | 93-05   | TA-500                           | Cold pour, single component, flexible, adheres to concrete and asphalt pavements.                  | 4/08                 | 4/13                  | Tri-American, Inc.<br>980 Ames Ave.<br>Milpitas CA 95035<br>(800) 782-6543  |
| PER SPECIFICATION 735 CHECK TABLE IN SPEC. |   |                                  |  |                      |                       |   |

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|--|---|
|  | V-36 – Signal and Lighting – Electrical Conduit, PVC<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |
|--|---|

**ANY UNDERWRITERS LABORATORIES LISTED CONDUIT**

|  |   |
|--|---|
|  | V-36A – Signal and Lighting – Primer For Electrical Conduit, PVC<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |
|--|---|

**ANY PURPLE PRIMER FOR PVC PIPE**

|  |  |
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|  | V-36B – Signal and Lighting – Grey Cement For Electrical Conduit, PVC<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |
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**ANY GREY CEMENT FOR PVC PIPE**

| Category | ID/Rpt. No. | Product      | Notes   | Approval Date | Recertify Date | Manufacturer  |
|----------|-------------|--------------|---|---------------|----------------|---|
| V-37     | 06059       | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Ameron<br>1130 A West Marine View Dr.<br>Everett WA 98201<br>(425) 258-2616 |
| V-37     | 06060       | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Cem-Tec<br>3745 South 7th Avenue<br>Phoenix AZ 85041<br>(602) 268-8895      |
| V-37     | 06061       | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Custom Bolt<br>3403 S 1st Ave<br>Phoenix AZ 85041<br>(602) 268-1431         |
| V-37     |             | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Hapco<br>26252 Hillman Highway<br>Abingdon VA 24210<br>(800) 368-7171       |

|      |       |              |   |      |      |  |
|------|-------|--------------|---|------|------|--|
| V-37 | 06062 | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06 | 9/11 | Union Metal Corporation<br>1432 Maple Ave., NE<br>PO Box 9920<br>Canton OH 44705<br>(330) 456-7653 |
| V-37 | 06092 | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06 | 9/11 | Valmont<br>P.O. Box 358<br>7002 N. 288 <sup>th</sup> St.<br>Valley NE 68064-0358<br>(877) 467-4763 |

|          | V-40 – Signal and Lighting – High Mast Lighting – Raising and Lowering Device (Top Latching)<br>ADOT Specifications: Special Provisions<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |  |                |               |                |   |
|----------|--|--|----------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product  | Notes          | Approval Date | Recertify Date | Manufacturer  |
| V-40     |  | All products                                     |                | 9/06          | 9/11           | General Electric – Lighting Systems Dept.<br>Spartanburg Highway<br>Hendersonville NC 28792<br>(800) 437-8625 |
| V-40     | 08044  | Model 1060                                       | Portables only | 3/10          | 3/15           | Stratus Products<br>1320 South University Drive, Suite 701<br>Fort Worth TX 76107<br>(817) 878-3108           |
| V-40     | 07115  | All products                                     |                | 9/06          | 9/11           | Holophane, Manville<br>P.O. Box 3004<br>Newark OH 43058-3004<br>(740) 345-9631                                |
| V-40     | 06012  | Area/Roadway High Mast Lighting Lowering Devices |                | 1/07          | 1/12           | Holophane Lighting<br>214 Oakwood Avenue<br>Newark OH 43058<br>(623) 465-9135<br>(623) 465-9145-Fax           |

|          | V-41 – Signal and Lighting – Lamps – Luminaire<br>ADOT Specifications: 736<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                |       |               |                |   |
|----------|---|--------------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                        | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-41     |   | All High Pressure Sodium Lamps |       | 9/06          | 9/11           | General Electric – Lighting Systems Dept.<br>Spartanburg Highway<br>Hendersonville NC 28792<br>(800) 437-8625       |
| V-41     | 06063   | All High Pressure Sodium Lamps |       | 9/06          | 9/11           | Philips Electronics North America Corporation<br>1251 Avenue of the Americas<br>New York NY 10020<br>(212) 536-0500 |

|      |       |                                |  |      |      |   |
|------|-------|--------------------------------|--|------|------|---|
| V-41 | 03094 | All High Pressure Sodium Lamps |  | 6/06 | 6/11 | Superior Lamp, Inc.<br>800 3F Greentree Commons<br>Marlton NJ 08053<br>(928) 446-2167<br>(928) 344-5021 - Fax |
| V-41 |       | All High Pressure Sodium Lamps |  | 9/06 | 9/11 | Sylvania<br>100 Endicott Street<br>Danvers MA 01923   |
| V-41 | 06064 | All High Pressure Sodium Lamps |  | 9/06 | 9/11 | Thomas & Betts Corporation<br>8155 T&B Boulevard<br>Memphis TN 38125<br>(901) 252-8000                        |

|          | V-42 – Signal and Lighting – Lamps – Traffic Signal<br>ADOT Specifications: 733<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                |       |               |                |   |
|----------|--|--------------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product                        | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-42     | 02051  | Aero Tech Traffic Signal Lamps |       | 9/09          | 9/14           | Aero-Tech Light Bulb Co.<br>534 Pratt Avenue<br>Schaumburg IL 60193<br>(847) 352-4900<br>(847) 352 4999 – Fax                               |
| V-42     |  | All products                   |       | 9/06          | 9/11           | Durotest<br>12401 McNulty Road, Suite # 101<br>Philadelphia, PA 19154<br>1-800-289-3876   |
| V-42     |  | All products                   |       | 9/06          | 9/11           | Sylvania<br>100 Endicott Street<br>Danvers MA 01923   |
| V-42     | 01030  | Omega Traffic Signal Lamp      |       | 9/09          | 9/14           | Litetronics Int./National Direct Lighting<br>4101 West 123 <sup>rd</sup> Street<br>Alsip IL 60803<br>(800) 521-2981<br>(708) 371-0627 – Fax |

|          | V-43 – Signal and Lighting – Load Center Cabinet<br>ADOT Specifications: 736<br>ADOT Drawings: T.S. 3-1 through 3-7<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|---|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-43     |   | All products |       | 9/06          | 9/11           | R & R Electrical<br>2049 W. Highway Drive<br>Tucson AZ 85705<br>(520) 887-7630 |

|      |  |              |  |      |      |   |
|------|--|--------------|--|------|------|---|
| V-43 |  | All products |  | 9/06 | 9/11 | Sun Valley<br>1334 N. 21 <sup>st</sup> Ave.<br>Phoenix AZ 85009<br>(602) 258-6448 |
|------|--|--------------|--|------|------|---|

| V-44 – Signal and Lighting – Loop Detector Amplifier<br>ADOT Specifications: 734<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |             |   |       |               |                |  |
|---|-------------|---|-------|---------------|----------------|--|
| Category  | ID/Rpt. No. | Product   | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-44  |             | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | 3M Corp. – Traffic Control Materials Div.<br>3M Center Bldg. 223-3N-01<br>St. Paul MN 55144-1000<br>(800) 553-1380 |
| V-44  |             | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Detector Systems<br>11650 Seaboard Circle<br>Stanton CA 90680<br>(800) 828-7775                                    |
| V-44  |             | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | U.S. Traffic Corp.<br>9603 John St.<br>Santa Fe CA 90670<br>(800) 733-7872   |
| V-44  |             | All NEMA TS1-1989 compatible products unless specified otherwise on project plans or special provisions |       | 9/06          | 9/11           | Peek Traffic, Inc.<br>1500 N. Washington Blvd.<br>Sarasota FL 34236<br>(800) 245-7660                              |

| V-45 – Signal and Lighting – Loop Detector Lead-In Cable<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| ANY CABLE PER ISMA 50-2 SPEC.   |  |  |  |  |  |  |

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|  | V-50 – Signal and Lighting – Luminaire – High Mast (Cutoff)<br>ADOT Specifications: Special Provisions<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |
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| <b>Category</b> | <b>ID/Rpt.<br/>No.</b> | <b>Product</b>   | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>   |
|-----------------|------------------------|--|--------------|--------------------------|---------------------------|---|
| V-50            |                        | All products   |              | 9/06                     | 9/11                      | General Electric – Lighting Systems Dept.<br>Spartanburg Highway<br>Hendersonville NC 28792<br>(800) 437-8625 |
| V-50            | 07112                  | All products   |              | 9/06                     | 9/11                      | Holophane, Manville<br>P.O. Box 3004<br>Newark OH 43058-3004<br>(740) 345-9631                                |
| V-50            | 06013                  | Area/Roadway High<br>Mast Lighting<br>Luminaires (Cut-off) |              | 1/07                     | 1/12                      | Holophane Lighting<br>214 Oakwood Avenue<br>Newark OH 43058<br>(623) 465-9135<br>(623) 465-9145-Fax           |

|                 | V-51 – Signal and Lighting – Luminaire – Horizontal Mount (Cutoff)<br>ADOT Specifications: 736<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                |                             |                          |                           |   |
|-----------------|---|----------------|-----------------------------|--------------------------|---------------------------|---|
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>  | <b>Product</b> | <b>Notes</b>                | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>   |
| V-51            | 05004   | CHMD           | Approved with FLX lens only | 3/10                     | 3/15                      | Lithonia Lighting<br>One Lithonia Way<br>Conyers GA 30012<br>(770) 922-9000                                     |
| V-51            |   | M400A2 Cutoff  |                             | 9/06                     | 9/11                      | General Electric – Lighting Systems Dept.<br>1750 Howe Ave., Suite 220<br>Sacramento CA 95825<br>(916) 923-6003 |
| V-51            |   | RL-400 Cutoff  |                             | 1/06                     | 1/11                      | Hubbell<br>2000 Electric Way<br>Christiansburg VA 24073<br>(703) 382-6111                                       |
| V-51            | 02150<br>02151  | Roadway 325    | Approved for 250w and 400w  | 4/06                     | 4/11                      | American Electric Lighting<br>1335 Industrial Boulevard<br>Conyer GA 30012<br>(623) 465-9135                    |

|                 | V-52 – Signal and Lighting – Luminaire – Vertical Mount (with Shield)<br>ADOT Specifications: 736 and Special Provisions<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                |              |                          |                           |  |
|-----------------|---|----------------|--------------|--------------------------|---------------------------|--|
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>  | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>  |
| V-52            | 07114   | Mongoose       |              | 9/06                     | 9/11                      | Holophane, Manville<br>P.O. Box 3004<br>Newark OH 43058-3004<br>(740) 345-9631 |

|          | V-52A – Signal and Lighting – Luminaire – Bracket<br>ADOT Specifications: 736 and Special Provisions<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |              |   |               |                |  |
|----------|---|--------------|---|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product      | Notes   | Approval Date | Recertify Date | Manufacturer   |
| V-52A    | 06065   | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Ameron<br>1130 A West Marine View Dr.<br>Everett WA 98201<br>(425) 258-2616                        |
| V-52A    | 06066   | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Cem-Tec<br>3745 South 7th Avenue<br>Phoenix AZ 85041<br>(602) 268-8895                             |
| V-52A    | 06067   | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Custom Bolt<br>3403 S 1st Ave<br>Phoenix AZ 85041<br>(602) 268-1431                                |
| V-52A    |   | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Hapco<br>26252 Hillman Highway<br>Abingdon VA 24210<br>(800) 368-7171                              |
| V-52A    | 06068   | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Union Metal Corporation<br>1432 Maple Ave., NE<br>PO Box 9920<br>Canton OH 44705<br>(330) 456-7653 |
| V-52A    | 06094   | All products | Field Verification for Spec. and Std. & Shop Drawings | 9/06          | 9/11           | Valmont<br>P.O. Box 358 7002 N. 288 <sup>th</sup> St.<br>Valley NE 68064-0358<br>(877) 467-4763    |

|          | V-53 – Signal and Lighting – Metal Junction Box<br>ADOT Specifications: 732<br>ADOT Drawings: Plan Detail Sheet<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|          | V-54 – Signal and Lighting – Electrical Service Pedestal<br>ADOT Specifications: 734<br>ADOT Drawings: T.S. 3-8<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|      |       |              |  |      |      |  |
|------|-------|--------------|--|------|------|--|
| V-54 | 06069 | All products |  | 9/06 | 9/11 | Milbank<br>Milbank Manufacturing Co.<br>PO Box 419028<br>Kansas City MO 64141-6028<br>(877) 483-5314 |
| V-54 | 06070 | All products |  | 9/06 | 9/11 | Myers Power Products, Inc.<br>725 E. Harrison St.<br>Corona CA 92879<br>(951) 520-1900               |
| V-54 | 06071 | All products |  | 9/06 | 9/11 | Pacific Utility Products<br>2430 Railroad St.<br>Corona CA 92880<br>(800) 860-6157                   |
| V-54 | 06072 | All products |  | 9/06 | 9/11 | Tesco Controls, Inc.<br>3409 52nd Ave.<br>Sacramento CA, 95823-9012<br>(916) 395-8800                |

|          | V-54A – Signal and Lighting – Uninterrupted Power Supply<br>ADOT Specifications: 734<br>ADOT Drawings: T.S. 3-8<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|---|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-54A    | 06093   | All products |       | 9/06          | 9/11           | Alpha Technologies, Inc.<br>3767 Alpha Way<br>Bellingham WA 98226<br>(360) 647-2360    |
| V-54A    | 06073   | All products |       | 9/06          | 9/11           | Myers Power Products, Inc.<br>725 E. Harrison St.<br>Corona CA 92879<br>(951) 520-1900 |
| V-54A    | 06074   | All products |       | 9/06          | 9/11           | Tesco Controls, Inc.<br>3409 52nd Ave.<br>Sacramento CA, 95823-9012<br>(916) 395-8800  |

|          | V-55A – Signal and Lighting – ADA Compliant Pedestrian Push Button<br>ADOT Specifications: None<br>ADOT Drawings: T.S. 11-1 through 11-4<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|--|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-55A    |  | All products |       | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Ave.<br>Anaheim CA 92806-0150<br>(714) 630-3700 |

|       |       |              |  |      |      |   |
|-------|-------|--------------|--|------|------|---|
| V-55A | 06075 | All products |  | 9/06 | 9/11 | McCain Traffic Supply<br>2365 Oakridge Way<br>Vista CA 92081<br>(760) 497-1158        |
| V-55A |       | All products |  | 9/06 | 9/11 | Peek Traffic, Inc.<br>1500 N. Washington Blvd.<br>Sarasota FL 34236<br>1-800-245-7660 |
| V-55A | 06076 | All products |  | 9/06 | 9/11 | SIEMENS ITS/EAGLE<br>8004 Cameron Rd.<br>Austin TX 78753<br>(512) 837-8310            |

|          | V-55B – Signal and Lighting – Traffic Signal Poles and Mast arms (including Pedestrian Post)<br>ADOT Specifications: 731<br>ADOT Drawings: T.S. 4-1 through 4-23<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|--|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-55B    | 06077  | All products |       | 9/06          | 9/11           | Ameron<br>1130 A West Marine View Dr.<br>Everett WA 98201<br>(425) 258-2616  |
| V-55B    | 06078  | All products |       | 9/06          | 9/11           | Cem-Tec<br>3745 South 7th Ave.<br>Phoenix AZ 85041<br>(602) 268-8895   |
| V-55B    | 06079  | All products |       | 9/06          | 9/11           | McCain Traffic Supply<br>2365 Oakridge Way<br>Vista CA 92081<br>(760) 497-1158                                     |
| V-55B    | 05056<br>07098   | All Products |       | 4/06          | 4/11           | Millerbernd Manufacturing Company<br>622 6th St. South<br>Winsted MN 55395<br>(320) 485-2111<br>(320) 485-4420-Fax |
| V-55B    | 06080  | All products |       | 9/06          | 9/11           | Union Metal Corporation<br>1432 Maple Ave., NE<br>PO Box 9920<br>Canton OH 44705<br>(330) 456-7653                 |
| V-55B    | 06095  | All products |       | 9/06          | 9/11           | Valmont<br>P.O. Box 358<br>7002 N. 288 <sup>th</sup> St.<br>Valley NE 68064-0358<br>(877) 467-4763                 |

|  |   |
|--|---|
|  | V-55C – Signal and Lighting – Traffic Light Poles and Mast arms (Steel)<br>ADOT Specifications: 731<br>ADOT Drawings: T.S. 4-1 through 4-23<br>Responsible Section: Traffic Group |
|--|---|

| <b>Category</b> | <b>ID/Rpt.<br/>No.</b> | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>  |
|-----------------|------------------------|----------------|--------------|--------------------------|---------------------------|--|
| V-55C           | 06081                  | All products   |              | 9/06                     | 9/11                      | Ameron<br>1130 A West Marine View Dr.<br>Everett WA 98201<br>(425) 258-2616  |
| V-55C           | 06082                  | All products   |              | 9/06                     | 9/11                      | Cem-Tec<br>3745 South 7th Avenue<br>Phoenix AZ 85041<br>(602) 268-8895   |
| V-55C           | 05056<br>07098         | All Products   |              | 4/06                     | 4/11                      | Millerbernd Manufacturing Company<br>622 6th St. South<br>Winsted MN 55395<br>(320) 485-2111<br>(320) 485-4420-Fax |
| V-55C           | 06083                  | All products   |              | 9/06                     | 9/11                      | Union Metal Corporation<br>1432 Maple Ave., NE<br>PO Box 9920<br>Canton OH 44705<br>(330) 456-7653                 |
| V-55C           | 06096                  | All products   |              | 9/06                     | 9/11                      | Valmont<br>P.O. Box 358<br>7002 N. 288th St.<br>Valley NE 68064-0358<br>(877) 467-4763                             |

|                 | V-55D – Signal and Lighting – Traffic Light Poles and Mast arms (Aluminum)<br>ADOT Specifications: 731<br>ADOT Drawings: T.S. 4-1 through 4-23<br>Responsible Section: Traffic Group |                |              |                          |                           |  |
|-----------------|--|----------------|--------------|--------------------------|---------------------------|--|
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>   | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b>  |
| V-55D           |  | All products   |              | 9/06                     | 9/11                      | Hapco<br>26252 Hillman Highway<br>Abingdon VA 24210<br>(800) 368-7171                  |
| V-55D           | 06097  | All products   |              | 9/06                     | 9/11                      | Valmont<br>P.O. Box 358<br>7002 N. 288th St.<br>Valley NE 68064-0358<br>(877) 467-4763 |

|                 | V-56 – Signal and Lighting – Ped Signal Face<br>ADOT Specifications: 733-2.02<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                |              |                          |                           |                     |
|-----------------|--|----------------|--------------|--------------------------|---------------------------|---------------------|
| <b>Category</b> | <b>ID/Rpt.<br/>No.</b>   | <b>Product</b> | <b>Notes</b> | <b>Approval<br/>Date</b> | <b>Recertify<br/>Date</b> | <b>Manufacturer</b> |

|      |       |   |  |      |      |  |
|------|-------|---|--|------|------|--|
| V-56 |       | 4094D Neon  |  | 2/04 | 2/09 | U.S. Traffic Corp.<br>4025 E. La Palma Ave., Suite 101<br>Anaheim CA 92807<br>(800) 733-7872<br>(562) 923-7555 – Fax<br><a href="http://www.peektraffic.com">www.peektraffic.com</a> |
| V56  | 09063 | TP12H-HM<br>TP12B-EH<br>TP12B-WM                          | 12 inch full hand/man overlay (HM); full man (WM); full hand (EH) LED pedestrian indication. | 3/10 | 3/15 | Leotek<br>1330 Memorex Dr.<br>Santa Clara CA 95050<br>(888) 806-1188<br><a href="http://www.leotek.com">www.leotek.com</a>   |
| V-56 | 09064 | TSL-PED-16-DIL<br>TSL-PED-CIL-9                           | 16 inch incandescent look dual pedestrian (DIL); countdown pedestrian (CIL) signal           | 3/10 | 3/15 | Leotek<br>1330 Memorex Dr.<br>Santa Clara CA 95050<br>(888) 806-1188<br><a href="http://www.leotek.com">www.leotek.com</a>   |
| V-56 | 07010 | Pedestrian Signal   |  | 6/08 | 6/13 | General Traffic Equipment<br>259 Broadway<br>Newburgh NY 12550<br>(845) 569-9000<br>(845) 863-0289 – Fax   |
| V-56 | 07030 | TRP-C45DG-W2 (16-inch by 18-inch pedestrian combo signal) |  | 9/08 | 9/13 | Excellence Opto, Inc.<br>1400 W. Lambert Rd., Suite B<br>Brea CA 92821<br><a href="http://www.eoi-us.com">www.eoi-us.com</a>   |

|          | V-57 – Signal and Lighting – Photo Electric Controls<br>ADOT Specifications: 736-2.01D<br>ADOT Drawings: T.S. 15-5<br>Responsible Section: Traffic Group |                        |       |               |                |  |
|----------|--|------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-57     |  | 7790B-SSS              |       | 10/00         | 10/14          | FP Outdoor Lighting Controls / Sunrise Technologies<br>54 Commercial St.<br>Raynham MA 02767<br>(508) 821-1597<br>(508) 822-0593 – Fax<br><a href="http://www.fpolc.com">www.fpolc.com</a> |
| V-57     | 02149  | Photocontrol DP Series |       | 4/06          | 4/11           | American Electric Lighting<br>1335 Industrial Boulevard<br>Conyer GA 30012<br>(623) 465-9135   |

|          | V-58 – Signal and Lighting – Preformed Loop Detectors<br>ADOT Specifications: Special Provisions<br>ADOT Drawings: Plan Detail Sheet<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |

|      |  |  |  |      |      |   |
|------|--|--|--|------|------|---|
| V-58 |  | All products                                       |  | 9/06 | 9/11 | De-Tech Manufacturing, Inc.<br>P.O. Box 4759<br>Salem OR 97303<br>(503) 371-0165  |
| V-58 |  | Hydraulic Hose Loop & Homerun                      |  | 3/03 | 3/08 | Never Fail Loops<br>10100 SE Main St.<br>Milwaukie OR 97222<br>(503) 408-9248<br>(503) 408-1032 – Fax<br><a href="http://www.neverfail.com">www.neverfail.com</a> |
| V-58 |  | Polypropylene Loop w/<br>Hydraulic Hose<br>Homerun |  | 3/03 | 3/08 | Never Fail Loops<br>10100 SE Main St.<br>Milwaukie OR 97222<br>(503) 408-9248<br>(503) 408-1032 – Fax<br><a href="http://www.neverfail.com">www.neverfail.com</a> |

|          | V-58A – Signal and Lighting – Video Detection System<br>ADOT Specifications: Special Provisions<br>ADOT Drawings: Plan Detail Sheet<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|---|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-58A    | 06084   | All products |       | 9/06          | 9/11           | ITERIS<br>1515 S. Manchester Ave.<br>Anaheim CA 92802-2907<br>(714) 774-5000   |
| V-58A    | 06085   | All products |       | 9/06          | 9/11           | Philips Electronics North America Corporation<br>1251 Avenue of the Americas<br>New York NY 10020<br>(212) 536-0500  |
| V-58A    | 06086   | All products |       | 9/06          | 9/11           | TRAFICON USA LLC<br>14520 Avion Parkway, Suite 305<br>Chantilly VA 20151<br>(703) 961 9617   |
| V-58A    | 06098   | All products |       | 9/06          | 9/11           | Unitrack Industries<br>967 E. Masten Circle<br>Milford DE 19963<br>(302) 424-5050  |
| V-58A    | 09025   | Grid Smart   |       | 6/09          | 6/14           | Aldis Corporation<br>702 S. Illinois Ave., Suite 3101<br>Oak Ridge TN 37830<br>(865) 482-2112<br><a href="http://aldiscorp.com/">http://aldiscorp.com/</a> |
| V-58A    |   | Rackvision   | Only  | 9/06          | 9/11           | ECONOLITE CONTROL PRODUCTS, INC.<br>3360 E. La Palma Ave.<br>Anaheim CA 92806<br>(714) 630-3700  |

|          | V-59 – Signal and Lighting – Pull Box/Extension – Concrete<br>ADOT Specifications: 732<br>ADOT Drawings: T.S. 1-1 through 1-5<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|---|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-59     |   | All products |       | 9/06          | 9/11           | Christy Concrete Products<br>44100 Christy<br>Fremont CA 94538<br>(800) 486-7070                     |
| V-59     |   | All products |       | 9/06          | 9/11           | Contractor / Engineers Supply<br>1402 S. 27 <sup>th</sup> Ave.<br>Phoenix AZ 85009<br>(602) 272-1369 |
| V-59     |   | All products |       | 9/06          | 9/11           | J&R<br>11050 Redwood Ave.<br>Fontana CA 92335<br>(714) 350-4616                                      |
| V-59     |   | All products |       | 9/06          | 9/11           | Quickset<br>4301 W. McArthur Blvd.<br>Santa Ana CA 92704<br>(714) 557-7470                           |

|          | V-60 – Signal and Lighting – Pull Box/Extension – Polymer Concrete<br>ADOT Specifications:<br>ADOT Drawings: T.S. 1-1 through 1-5<br>Responsible Section: Traffic Group |   |       |               |                |   |
|----------|---|---|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                                       | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-60     | 04005   | Carson H-Series<br>Polymer Concrete<br>Vaults |       | 5/05          | 5/10           | Carson Industries<br>1160 Nicole Ct.<br>Glendora CA 91740<br>(909) 261-5515 |

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|---|--|--|--|--|--|--|
|   | V-61 – Signal and Lighting – Roadway Loop Detector Wire<br>ADOT Specifications: 732<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |  |  |  |  |  |
| <b>ANY CABLE PER INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA) 51-5 SPEC.</b> |  |  |  |  |  |  |

|          | V-62 – Signal and Lighting – Sign Lighting Fixtures<br>ADOT Specifications: 736<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |

|      |  |                        |   |      |      |   |
|------|--|------------------------|---|------|------|---|
| V-62 |  | Panel-Vue              | Approved for induction fluorescent lighting only. | 4/08 | 4/13 | Holophane, Manville<br>P.O. Box 3004<br>214 Oakwood Ave.<br>Newark OH 43058-3004<br>(740) 345-9631  |
| V-62 |  | Versaflood II Signlter | Approved for induction fluorescent lighting only. | 9/06 | 9/11 | General Electric – Lighting Systems Dept.<br>1750 Howe Avenue<br>Suite 220<br>Sacramento CA 95825<br>(916) 923-6003<br>(916) 923-9596 – Fax |

| V-63 – Signal and Lighting – Structural Supports For Traffic Signals & Highway Lighting<br>ADOT Specifications: 731<br>ADOT Drawings: T.S. 4-1 through 4-16<br>Responsible Section: Traffic Group |                |   |   |               |                |   |
|---|----------------|---|---|---------------|----------------|---|
| Category  | ID/Rpt. No.    | Product                                       | Notes                                   | Approval Date | Recertify Date | Manufacturer  |
| V-63  | 07120          | 100 ft High Mast Pole                         | 100-foot support for high mast lighting | 3/10          | 3/15           | Carolina High Mast, Inc.<br>700 E. McIeroy<br>Saginaw TX 76179<br>(480) 368-9909  |
| V-63  |                | All products                                  |   | 9/06          | 9/11           | Ameron International<br>Pole Products Division<br>2333 South Yukon St.<br>Tulsa OK 74107<br>(918) 585-5611<br>(918) 587-9540 –Fax |
| V-63  |                | All products                                  |   | 9/06          | 9/11           | Cemtec<br>3745 S. 7 <sup>th</sup> Ave.<br>Phoenix AZ 85041<br>(602) 268-8895  |
| V-63  |                | All products                                  |   | 9/06          | 9/11           | Union Metal Corp.<br>3315 Big Cloud Circle<br>Thousand Oaks CA 91360<br>(805) 493-1428  |
| V-63  |                | All products                                  |   | 9/06          | 9/11           | Valmont Industries, Inc.<br>Hwy 275<br>Valley NE 68064<br>(800) 228-9863  |
| V-63  | 03034          | Aluminum Light Poles<br>Types "G", "H", & "I" |   | 4/03          | 4/08           | Hapco Aluminum Pole Products<br>26252 Hillman Highway<br>Abingdon VA 24210<br>(800) 368-7171<br>(540) 628-7707 – Fax              |
| V-63  | 05056<br>07098 | All Products                                  |   | 4/06          | 4/11           | Millerbernd Manufacturing Company<br>622 6th St. South<br>Winsted MN 55395<br>(320) 485-2111<br>(320) 485-4420-Fax                |

|          | V-66 – Signal and Lighting – Traffic Signal Face<br>ADOT Specifications: 733<br>ADOT Drawings: T.S. 8-1 and 8-2<br>Responsible Section: Traffic Group |                                     |   |               |                |  |
|----------|---|-------------------------------------|---|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                             | Notes   | Approval Date | Recertify Date | Manufacturer   |
| V-66     | 07011   | 12" Aluminum Vehicle Traffic Signal | Approved only with minimum 11 inch visor length | 9/08          | 9/13           | General Traffic Equipment, Inc.<br>259 Broadway<br>Newburgh NY 12550<br>(845) 569-9000   |
| V-66     |   | All products                        |   | 9/06          | 9/11           | 3M Corp. – Traffic Control Materials Division<br>3M Center Bldg.<br>223-3N-01<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-66     |   | All products                        |   | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Avenue<br>Anaheim CA 92806-0150<br>(714) 630-3700<br>(714) 630-6349 – Fax   |
| V-66     | 02028   | All products                        |   | 4/03          | 4/08           | McCain, Inc.<br>2365 Oak Ridge Way<br>Vista CA 92081<br>(760) 727-8100<br>(760) 727-8264 – Fax<br><a href="http://www.mccain-inc.com">www.mccain-inc.com</a>                           |
| V-66     |   | All products                        |   | 9/06          | 9/11           | Peek Traffic Systems, Inc.<br>3000 Commonwealth Boulevard<br>Tallahassee FL 32303-3157<br>(850) 562-2253<br>(850) 562-4126 – Fax   |
| V-66     |   | All products                        |   | 9/06          | 9/11           | Trafcon<br>8280 Western Way Circle<br>Jacksonville FL 32216<br>(904) 731-4688  |

|          | V-66A – Signal and Lighting – LED Signal Module<br>ADOT Specifications: 733<br>ADOT Drawings: T.S. 9-1 through 9-9<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |

|       |                |   |   |      |      |   |
|-------|----------------|---|---|------|------|---|
| V-66A | 07030          | * TRV-R12SG-D2T (12-inch red ball)<br>* TRV-G12SG-D2T (12-inch green ball)<br>* TRA-R12DG-IN (12-inch red arrow)<br>* TRA-Y12DG-IN (12-inch yellow arrow)<br>* TRA-G12DG-IN (12-inch green arrow) |   | 8/09 | 8/14 | Excellence Opto, Inc.<br>1400 W. Lambert Rd., Suite B<br>Brea CA 92821<br><a href="http://www.eoi-us.com">www.eoi-us.com</a>              |
| V-66A | 02087<br>06087 | All products  |   | 9/06 | 9/09 | Act One<br>12735 Schabarum Ave.<br>Irwindale CA 91706<br>(888) 228-6631   |
| V-66A | 09060          | TSL-12R-LX-IL3-A1<br>TSL-12Y-LX-IL3-A1<br>TSL-12G-LX-IL3-A1   | 12 inch red/yellow/green incandescent look<br>LED traffic signal lamp         | 3/10 | 3/15 | Leotek<br>1330 Memorex Dr.<br>Santa Clara CA 95050<br>(888) 806-1188<br><a href="http://www.leotek.com">www.leotek.com</a>                |
| V-66A | 09062          | TSL-12RA-LD-A1<br>TSL-12YA-LD-A1<br>TSL-12GA-LD-A1  | 12 inch red/yellow/green incandescent look<br>LED arrow traffic signal module | 3/10 | 3/15 | Leotek<br>1330 Memorex Dr.<br>Santa Clara CA 95050<br>(888) 806-1188<br><a href="http://www.leotek.com">www.leotek.com</a>                |
| V-66A | 06088          | All products  |   | 8/09 | 8/14 | Dialight Corp.<br>1501 Route 34 South<br>Farmingdale NJ 07727<br>(732) 919-3119<br><a href="http://www.dialight.com">www.dialight.com</a> |
| V-66A | 06089          | All products  |   | 9/06 | 9/09 | GELcore<br>6180 Halle Dr.<br>Valley View OH 44125-4635<br>(216) 606-6555  |

|          | V-67 – Signal and Lighting – Traffic Signal Mounting Assemblies<br>ADOT Specifications: 733<br>ADOT Drawings: T.S. 9-1 through 9-9<br>Responsible Section: Traffic Group |              |       |               |                |  |
|----------|--|--------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product      | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-67     |  | All products |       | 9/06          | 9/11           | Econolite Control Products<br>3360 East La Palma Avenue<br>Anaheim CA 92806-0150<br>(714) 630-3700<br>(714) 630-6349 – Fax       |
| V-67     |  | All products |       | 9/06          | 9/11           | Peek Traffic Systems, Inc.<br>3000 Commonwealth Boulevard<br>Tallahassee FL 32303-3157<br>(850) 562-2253<br>(850) 562-4126 – Fax |

|      |       |                           |  |      |      |  |
|------|-------|---------------------------|--|------|------|--|
| V-67 |       | All products              |  | 9/06 | 9/11 | Trafcon<br>8280 Western Way Circle<br>Jacksonville FL 32216<br>(904) 731-4688                            |
| V-67 | 02050 | Traffic Signal Frame Work |  | 9/06 | 9/11 | McCain Traffic Supply<br>2575 Pioneer Avenue<br>Vista CA 92083<br>(760) 497-1158<br>(760) 727-8184 – Fax |

|          | V-68 – Signal and Lighting – Underdeck Lighting<br>ADOT Specifications: Special Provisions<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                          |       |               |                |   |
|----------|---|--------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                  | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-68     |   | Versaflood II Wallighter |       | 9/06          | 9/11           | General Electric – Lighting Systems Dept.<br>1750 Howe Ave.<br>Suite 220<br>Sacramento CA 95825<br>(916) 923-6003<br>(916) 923-9596 – Fax |
| V-68     |   | Wallpack IV Module 600   |       | 4/08          | 4/13           | Holophane, Manville<br>P.O. Box 3004<br>214 Oakwood Ave.<br>Newark OH 43058-3004<br>(740) 345-9631  |

|          | V-69 – Signing – Breakaway Assembly<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                      |       |               |                |  |
|----------|---|--------------------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                              | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-69     | 04042   | Break-Out (Flush Mount Post Coupler) |       | 1/06          | 1/11           | Sign Support Systems Corporation<br>PO Box 8041<br>Greensboro, North Carolina 27419<br>(866) 549-7706<br>(336) 674-6690-Fax                                      |
| V-69     | 01096   | Break-Safe                           |       | 9/09          | 9/14           | Transpo Industries<br>20 Jones Street<br>New Rochelle NY 10801<br>(914) 636-1000<br>(914) 636-1282 – Fax<br><a href="http://www.transpo.com">www.transpo.com</a> |
| V-69     | 06009   | Kleen Break Model 425                |       | 9/08          | 9/13           | Xcessories Squared Dev. & Mfg., Inc.<br>7350 W. St. Rt. 104<br>Auburn IL 62615<br>1-800-621-7948   |

|      |       |  |  |       |       |  |
|------|-------|--|--|-------|-------|--|
| V-69 | 06008 | Redi-Torque Model 280<br>Slip Base                 |  | 12/07 | 12/12 | Xcessories Squared Dev. & Mfg., Inc.<br>7350 W. St. Rt. 104<br>Auburn IL 62615<br>1-800-621-7948                                 |
| V-69 | 01098 | Slip-Mate  |  | 4/08  | 4/13  | Ultimate Highway Products, Inc.<br>10650 Fern Avenue<br>P.O. Box 7<br>Stanton CA 90680<br>(800) 730-4939<br>(815) 462-9562 - Fax |
| V-69 | 06006 | S-Q Post Square<br>Slipbase Sign Support<br>System |  | 12/07 | 12/12 | Northwest Pipe Company<br>6307 Toledo St.<br>Houston TX 77008<br>(800) 369-5009<br>(713) 863-4300 x5314                          |
| V-69 | 01097 | Triangular, Multi-<br>directional Slip Base        |  | 4/07  | 4/12  | Xcessories Squared Dev. & Mfg., Inc.<br>7350 W. St. Rt. 104 – P.O. Box 135<br>Auburn IL 62615<br>(800) 621-7948                  |

|          | V-69A – Signing – Breakaway Assembly Components<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                       |       |               |                |   |
|----------|---|-----------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product               | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-69A    | 01080   | Dent Breakaway Bolt   |       | 7/06          | 7/11           | Dent Breakaway Industries<br>P.O. Box 6007<br>Farmington New Mexico 87499<br>(505) 486-0476<br>Fax (423) 383-0681 |
| V-69A    | 06009   | Kleen Break Model 425 |       | 9/08          | 9/13           | Xcessories Squared Dev. & Mfg., Inc.<br>7350 W. St. Rt. 104<br>Auburn IL 62615<br>1-800-621-7948                  |

|          | V-72 – Signing – P1 Post (Single)<br>ADOT Specifications: 607<br>ADOT Drawings: 4-S-4.16<br>Responsible Section: Traffic Group |          |       |               |                |  |
|----------|--|----------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product  | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-72     |  | Telespar |       | 11/05         | 11/10          | Allied Tube & conduit<br>16100 S. Lathrop Ave<br>Harvey IL 60426<br>(800) 882-5543 |

|          | V-73 – Signing – P2 Post (Telescoping)<br>ADOT Specifications: 607<br>ADOT Drawings: 4-S-4.16<br>Responsible Section: Traffic Group |                                     |  |               |                |  |
|----------|---|-------------------------------------|--|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                             | Notes  | Approval Date | Recertify Date | Manufacturer   |
| V-73     | 01001   | Perforated Steel Square Tubing      | Breakaway sign supports for small signs.                                 | 5/08          | 5/13           | Allied Tube & conduit<br>16100 S. Lathrop Ave<br>Harvey IL 60426<br>(800) 882-5543   |
| V-73     | 02012   | S-Square System                     |  | 11/06         | 11/11          | S-Square Tube Products<br>5495 East 69th Avenue<br>Commerce City CO 80022<br>(303)286-7051                                       |
| V-73     | 98-03   | Ulti-Mate Sign Support System       | System (12 gage) perforated sign post 12 gage                            | 11/05         | 11/10          | Ultimate Highway Products, Inc.<br>10650 Fern Avenue<br>P.O. Box 7<br>Stanton CA 90680<br>(800) 730-4939<br>(815) 462-9562 - Fax |
| V-73     |   | Telespar                            |  | 11/05         | 11/10          | Allied Tube & conduit<br>16100 S. Lathrop Ave<br>Harvey IL 60426<br>(800) 882-5543   |
| V-73     | 03075   | Perforated Square Sign Post Systems | Approved only for 12 gauge steel, square tubing sizes from 1 ¾" to 2 ½". | 3/05          | 3/10           | Northwest Pipe Company<br>6307 Toledo Street<br>Houston TX 77008   |

|          | V-74 – Signing – Reflective Sheeting – Fluorescent Orange Prismatic<br>ADOT Specifications: 608, AASHTO M268-93<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |  |       |               |                |  |
|----------|--|--|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product  | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-74     | 05027  | 3M Diamond Grade DG Series 4090 – Fluorescent Orange                                       |       | 4/05          | 5/10           | 3M Company<br>3M Center Bldg 225-55-08<br>St. Paul Minnesota 55144-1000<br>(480)221.5407<br>(480)705.5291-fax  |
| V-74     | 03028  | 3M Scotchlite Diamond Grade Fluorescent LDP Work Zone Sheeting 3924s – Fluorescent Orange  |       | 1/06          | 1/11           | 3M Corp. – Traffic Control Materials Division<br>3M Center Bldg. 225-5S-08<br>P.O. Box 33225<br>St. Paul MN 55133-3225<br>(480) 705-5290<br>(480)-705-5291 – Fax |
| V-74     | 03029  | Crystal Grade Prismatic Retroreflective Sheeting 92000 Series – 92847 – Fluorescent Orange |       | 9/09          | 9/14           | Nippon Carbide Industries (USA) Inc.<br>12981 E. Florence Ave.<br>Santa Fe Springs CA 90670<br>(562) 777-1810<br>(562) 777-1811– Fax                             |

|      |                |  |  |      |      |   |
|------|----------------|--|--|------|------|---|
| V-74 | 03030          | T-7000 FL MVP – W – 7514 – Fluorescent Orange  |  | 5/08 | 5/13 | Avery Dennison<br>Reflective Products Division<br>7542 N. Natchez Avenue<br>Niles IL 60714<br>(847) 647-7717<br>(847) 647-1205 – Fax<br><a href="http://www.reflectives.averydennison.com/avery_index.html">http://www.reflectives.averydennison.com/avery_index.html</a>               |
| V-74 | 01067<br>03031 | T-7000 FL MVP – Prismatic Grade (T-7500 Series) – Fluorescent Orange   |  | 5/08 | 5/13 | Avery Dennison<br>Reflective Products Division<br>7542 N. Natchez Avenue<br>Niles IL 60714<br>(847) 647-7717<br>(847) 647-1205 – Fax<br><a href="http://www.reflectives.averydennison.com/avery_index.html">http://www.reflectives.averydennison.com/avery_index.html</a>               |
| V-74 | 05052          | Omni-View (T-9500) Series Retroreflective Sheeting – Fluorescent Orange  |  | 3/08 | 3/13 | Avery Dennison<br>Reflective Products Division<br>6565 W. Howard St.<br>Niles IL 60714<br>(800) 327-5917<br>(847) 647-7717<br>(847) 647-1205 – Fax<br><a href="http://www.reflectives.averydennison.com/avery_index.html">http://www.reflectives.averydennison.com/avery_index.html</a> |
| V-74 | 03032          | 3M Scotchlite Diamond Grade VIP (Visual Impact Performance) Reflective Sheeting Series 3990 – Fluorescent Orange |  | 4/03 | 4/08 | 3M Corp. – Traffic Control Materials Division<br>3M Center Bldg. 225-5S-08<br>P.O. Box 33225<br>St. Paul MN 55133-3225<br>(480) 705-5290<br>(480)-705-5291 – Fax  |

|          | V-75 – Signing – Reflective Sheeting – Prismatic (ASTM 4956 Type IX)<br>ADOT Specifications: AASHTO M268-93<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |  |               |                |  |
|----------|--|---|--|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product   | Notes  | Approval Date | Recertify Date | Manufacturer   |
| V-75     | 05027  | 3M Diamond Grade DG <sup>3</sup> Series 4090  | Approved for white, yellow, green, blue, red, fluorescent yellow, fluorescent orange.  | 4/05          | 5/10           | 3M Company<br>3M Center Bldg 225-55-08<br>St. Paul Minnesota 55144-1000<br>(480)221.5407<br>(480)705.5291-fax  |
| V-75     | 03032  | 3M Scotchlite Diamond Grade VIP (Visual Impact Performance) Reflective Sheeting Series 3990 | All Standard Colors  | 4/03          | 4/08           | 3M Corp. – Traffic Control Materials Division<br>3M Center Bldg. 225-5S-08<br>P.O. Box 33225<br>St. Paul MN 55133-3225<br>(480) 705-5290<br>(480)-705-5291 – Fax |
| V-75     | 03112  | 3M Scotchlite Series 3980 Wide Angle Prismatic Fluorescent                                  | 3981 is Diamond Grade™ Fluorescent Yellow VIP sheeting. 3983 is Diamond Grade™ Fluorescent Yellow-Green VIP sheeting. 10-year warranty for both products | 10/04         | 10/09          | 3M Company<br>3M Center Bldg 225-55-08<br>St. Paul Minnesota 55144-1000<br>(480)221.5407<br>(480)705.5291-fax  |

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|------|-------|--|--|------|------|---|
| V-75 | 09022 | Nikkalite CRG 95000                                      | Approved for one year evaluation period. | 9/09 | 9/10 | Nippon Carbide Industries, Inc.<br>12981 E. Florence Ave.<br>Santa Fe Springs CA 90670<br>(800) 821-4264 ext. 28<br>(888) 330-7119 – Fax<br><a href="http://www.nikkalite.com/">http://www.nikkalite.com/</a>   |
| V-75 | 05052 | Omni-View (T-9500)<br>Series Retroreflective<br>Sheeting |  | 3/08 | 3/13 | Avery Dennison<br>Reflective Products Division<br>6565 W. Howard St.<br>Niles IL 60714<br>(800) 327-5917<br>(847) 647-7717<br>(847) 647-1205 – Fax<br><a href="http://www.reflectives.averydennison.com/">http://www.reflectives.averydennison.com/</a> |

|          | V-75P – Signing – Reflective Sheeting – Premium Prismatic<br>ADOT Specifications: AASHTO M268-93<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |  |                  |                   |   |
|----------|---|---|--|------------------|-------------------|---|
| Category | ID/Rpt.<br>No.  | Product   | Notes  | Approval<br>Date | Recertify<br>Date | Manufacturer  |
| V-75P    | 05027   | 3M Diamond Grade<br>DG <sup>3</sup> Series 4090 | Approved for white, yellow, green, blue, red,<br>fluorescent yellow, fluorescent orange. | 4/05             | 5/10              | 3M Company<br>3M Center Bldg 225-55-08<br>St. Paul Minnesota 55144-1000<br>(480)221.5407<br>(480)705.5291-fax |

|          | V-76M – Delineators – Reflective Sheeting (Prismatic)<br>ADOT Specifications: Per Special Provision, New Specifications are under development<br>ADOT Drawings: T.S.<br>Responsible Section: Traffic Group |   |   |                  |                   |  |
|----------|--|---|---|------------------|-------------------|--|
| Category | ID/Rpt.<br>No.   | Product   | Notes                                       | Approval<br>Date | Recertify<br>Date | Manufacturer   |
| V-76M    |  | AP-1000 or AR-1000                                  | For use on any shaped surface.              | 5/08             | 5/13              | Reflexite Americas<br>315 South Street<br>New Britain CT 06051<br>(800) 654-7570<br>(860) 892-0851 – Fax   |
| V-76M    |  | Diamond Grade-Visual<br>Impact-Performance<br>(VIP) | For use on flat to semi-flat surfaces only. | 4/03             | 4/08              | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/US/">http://www.3m.com/US/</a> |
| V-76M    |  | Series 4500   | For use on flat to semi-flat surfaces only. | 5/08             | 5/13              | Avery Dennison<br>Reflective Products Division<br>7542 N. Natchez Avenue<br>Niles IL 60714<br>(847) 647-7717<br>(847) 647-1205 – Fax                                     |

|       |       |         |   |      |      |  |
|-------|-------|---------|---|------|------|--|
| V-76M | 01036 | WR-6100 | Reboundable high intensity prismatic retroreflective sheeting for channelizers and delineators in work zones. | 5/08 | 5/13 | Avery Dennison<br>Reflective Products Division<br>7542 N. Natchez Avenue<br>Niles IL 60714<br>(847) 647-7717<br>(847) 647-1205 – Fax |
|-------|-------|---------|---|------|------|--|

|          | V-77M – Signing – Reflective Sheeting – Type VI (Roll-up Grade 1)<br>ADOT Specifications: AASHTO M268-93<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                 |  |               |                |  |
|----------|---|---------------------------------|--|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                         | Notes  | Approval Date | Recertify Date | Manufacturer   |
| V-77M    |   | Diamond Grade RS 24             |  | 6/07          | 6/12           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/">http://www.3m.com/</a> |
| V-77M    |   | Reflexite Marathon              |  | 6/07          | 6/12           | Reflexite Americas<br>315 South Street<br>New Britain CT 06051<br>(800) 654-7570<br>(860) 892-0851 – Fax   |
| V-77M    |   | Reflexite Roll-up Sign Sheeting | Individual roll-up sign fabricated from this material will be examined individually via the PRIDE program. | 6/07          | 6/12           | Reflexite Americas<br>315 South Street<br>New Britain CT 06051<br>(800) 654-7570<br>(860) 892-0851 – Fax   |

|          | V-77N – Signing – Reflective Sheeting – Type VI (Roll-up Grade 2)<br>ADOT Specifications: AASHTO M268- 93<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                               |       |               |                |  |
|----------|--|-------------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                       | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-77N    | 02026  | Nikkalite Crystal Grade 92802 |       | 11/04         | 11/09          | Nippon Carbine Industries, USA<br>3136 E. Victoria St.<br>Rancho Dominguez CA 90221<br>(800) 821-4284  |
| V-77N    |  | Reflexite Super Brite         |       | 6/07          | 6/12           | Reflexite Americas<br>315 South Street<br>New Britain CT 06051<br>(800) 654-7570<br>(860) 892-0851 – Fax   |
| V-77N    |  | Series RS 30                  |       | 6/07          | 6/12           | 3M Traffic Safety Systems Division<br>3M Center Bldg. 225-5S-08<br>St. Paul MN 55144-1000<br>(800) 553-1380<br><a href="http://www.3m.com/">http://www.3m.com/</a> |

|          | V-78 – Signing – Sign Panels<br>ADOT Specifications: 608<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |               |       |               |                |   |
|----------|---|---------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product       | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-78     | 02006   | Structure Set |       | 4/03          | 4/08           | PolyBackfill<br>2129 Hendricks # 128<br>Arlington TX 76011<br>(817) 548-8231<br>(817) 548-8231 – Fax<br><a href="http://www.structureset.attbi.com">http://www.structureset.attbi.com</a> |

|          | V-78M – Signing – Aluminum Flat Sign Mounting Hardware<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                |                                  |               |                |  |
|----------|--|----------------|----------------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product        | Notes                            | Approval Date | Recertify Date | Manufacturer   |
| V-78M    | 93123  | Signfix System | Not to be used with 3M VHB tape. | 11/05         | 11/10          | BAND-IT – IDEX, Inc.<br>4799 Dahlia Street<br>Denver CO 80216<br>(800) 525-0758<br>(303) 320-4555<br>(303) 333-6549 – Fax<br><a href="http://www.band-it-idex.com">http://www.band-it-idex.com</a> |

|          | V-79A – Signing – 1 foot to 1 foot 10 inches Sign Mounting Height Sign Stand<br>ADOT Specifications:<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |   |       |               |                |   |
|----------|---|---|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                                     | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-79A    | 02070   | Aluminum Buster or Little Buster (48" legs) |       | 5/08          | 5/13           | TrafFix Devices, Inc.<br>160 Avenida La Pata<br>San Clemente CA 92673<br>(949) 361-5663<br>(949) 361-9205 – Fax<br><a href="http://www.traffixdevices.com">www.traffixdevices.com</a> |
| V-79A    | 02069   | SS548 / SS548A                              |       | 4/08          | 4/13           | Korman Signs, Inc.<br>3029 Lincoln Ave.<br>Richmond VA 23228-4295<br>(804) 262-6050<br>(804) 261-1040 – Fax<br><a href="http://www.kormansigns.com">www.kormansigns.com</a>           |
| V-79A    | 07017   | SZ-4 12/2S "Big Dog" Dual Spring Sign Stand |       | 9/2008        | 9/2013         | Bone Safety Signs<br>2151 NW Parkway, Suite 100<br>Marietta GA 30067<br>1-800-873-2399<br><a href="http://www.bonesafety.com">www.bonesafety.com</a>                                  |

|          | V-79B – Signing – 5 Foot Sign Mounting Sign Stand<br>ADOT Specifications:<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                |       |               |                |   |
|----------|--|----------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product        | Notes | Approval Date | Recertify Date | Manufacturer  |
| V-79B    | 02073  | Big Buster     |       | 5/08          | 5/13           | TrafFix Devices, Inc.<br>160 Avenida La Pata<br>San Clemente CA 92673<br>(949) 361-5663<br>(949) 361-9205 – Fax<br><a href="http://www.traffixdevices.com">www.traffixdevices.com</a> |
| V-79B    | 02074  | SS560 / SS560A |       | 4/08          | 4/13           | Korman Signs, Inc.<br>3029 Lincoln Ave.<br>Richmond VA 23228-4295<br>(804) 262-6050<br>(804) 261-1040 – Fax<br><a href="http://www.kormansigns.com">www.kormansigns.com</a>           |

|          | V-79C – Signing – Roll-Up Sign Mounting Bracket for Telescoping Sign Mast Stan<br>ADOT Specifications:<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|          | V-79D – Signing – Portable Roll-Up Sign Stand – Rigid Mast Sign Stand – Sign Mounting Height 1' minimum (FHWA NCHRP-350 Crash Certified)<br>ADOT Specifications:<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                            |       |               |                |  |
|----------|---|----------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                    | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-79D    | 02106   | Model SS548UCRA Sign Stand |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |
| V-79D    | 02105   | Model SS548UCRA Sign Stand |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |
| V-79D    | 02103   | Model SS560UCA Sign Stand  |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |
| V-79D    | 02102   | Model SS570UC Sign Stand   |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |
| V-79D    | 02101   | Model SS560UC Sign Stand   |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |

|          | V-79E – Signing – Portable Roll-Up Sign Stand – Spring Mast Sign Stand -Sign Mounting Height 1' minimum (FHWA NCHRP-350 Crash Certified)<br>ADOT Specifications:<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |                                    |       |               |                |  |
|----------|---|------------------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product                            | Notes | Approval Date | Recertify Date | Manufacturer   |
| V-79E    | 02135   | SS548CA Sign Stand                 |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |
| V-79E    | 02134   | S548C Portable WorkZone Sign Stand |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |
| V-79E    | 02104   | Model SS548UC Sign Stand           |       | 5/05          | 5/10           | Korman Signs, Inc.<br>3029 Lincoln Avenue<br>Richmond VA 23228 |

|          | V-79F – Signing – Portable Roll-Up Sign Stand – Spring with Telescoping Mast Sign Stand – Sign Mounting Height Range 1' to 5' minimum (FHWA NCHRP-350 Crash Certified)<br>ADOT Specifications:<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|---|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.   | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |   |         |       |               |                |              |

|          | V-79G – Signing – Portable Sign Stand – Tripod – Sign Mounting Height 1' Minimum (FHWA NCRHP-350 Crash Certified)<br>ADOT Specifications:<br>ADOT Drawings: None<br>Responsible Section: Traffic Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

**Category: W – Waterproofing Membranes and Materials**

|          | W-1 – Regular<br>ADOT Specifications: 907<br>ADOT Drawings: None<br>Responsible Section: Materials Group |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

**Category: X – Miscellaneous**

|          | X-2 – Desert Varnishes<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development                       |  |                               |               |                |  |
|----------|---|--|-------------------------------|---------------|----------------|--|
| Category | ID/Rpt. No.   | Product  | Notes                         | Approval Date | Recertify Date | Manufacturer   |
|          | X-3 – Irrigation - Backflow Assembly<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |  |                               |               |                |  |
| Category | ID/Rpt. No.   | Product  | Notes                         | Approval Date | Recertify Date | Manufacturer   |
| X-3      |   | Pressure switch gauge:<br>DAW-33-2-7             | Bourdon tube pressure switch. | 10/96         | 9/01           | Mercoid Controls<br>102 Indiana Highway 212<br>P.O. Box 373<br>Michigan City IN 46361<br>(219) 879-8000<br><a href="http://www.mercoid.com">www.mercoid.com</a>  |
| X-3      |   | Hose bib: HB-2M                                  |                               | 2/01          | 2/06           | Champion-Arrowhead, LLC<br>5147 Alhambra Ave.<br>Los Angeles CA 90032<br>(323) 221-9137<br>(323) 221-2579 – Fax<br><a href="http://www.championirrigation.com/">http://www.championirrigation.com/</a> |
| X-3      |   | Inverted garden valve:<br>Model I-401            |                               | 2/01          | 2/06           | Champion-Arrowhead, LLC<br>5147 Alhambra Ave.<br>Los Angeles CA 90032<br>(323) 221-9137<br>(323) 221-2579 – Fax<br><a href="http://www.championirrigation.com/">http://www.championirrigation.com/</a> |
| X-3      |   | Fertilizer injector:<br>Series 'SD' ratio feeder |                               | 9/09          | 9/14           | H.E. Anderson<br>2100 Anderson Drive<br>P.O. Box 1006<br>Muskogee OK 74402-1006<br>(800) 331-9620<br>(918) 682-3342 – Fax<br><a href="http://www.heanderson.com">http://www.heanderson.com</a>         |
| X-3      |   | Conductor  | Sizes as needed.              | 9/09          | 9/14           | Southwire Company<br>One Southwire Dr.<br>Carrollton GA 30119<br>(770) 832-4626<br>(770) 832-5047 – Fax<br><a href="http://www.southwire.com">www.southwire.com</a>                                    |

|          | X-4 – Irrigation - Flow Meter<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |         |       |               |                |              |
|----------|--|---------|-------|---------------|----------------|--------------|
| Category | ID/Rpt. No.  | Product | Notes | Approval Date | Recertify Date | Manufacturer |
|          |  |         |       |               |                |              |

|          | X-5 – Irrigation - Emitter Assembly<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |   |       |               |                |   |
|----------|--|---|-------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product   | Notes | Approval Date | Recertify Date | Manufacturer  |
| X-5      |  | Emitter-Single:<br>Bowsmith NonStop<br>model #'s SL206,<br>SL210, or SL220  |       | 9/09          | 9/14           | Bowsmith, Inc.<br>P.O. Box 428<br>Exeter CA 93221<br>(559) 592-9485<br>(559) 592-2314 – Fax<br><a href="http://www.bowsmith.com">www.bowsmith.com</a> |
| X-5      |  | Emitter – Multi:<br>Bowsmith NonStop<br>model #'s ML206,<br>ML210, or ML220 |       | 9/09          | 9/14           | Bowsmith, Inc.<br>P.O. Box 428<br>Exeter CA 93221<br>(559) 592-9485<br>(559) 592-2314 – Fax<br><a href="http://www.bowsmith.com">www.bowsmith.com</a> |
| X-5      |  | Threaded adapter:<br>Model #3120 1/2" MPT<br>x .350" tubing adapter         |       | 9/09          | 9/14           | Bowsmith, Inc.<br>P.O. Box 428<br>Exeter CA 93221<br>(559) 592-9485<br>(559) 592-2314 – Fax<br><a href="http://www.bowsmith.com">www.bowsmith.com</a> |

|          | X-6 – Irrigation - Pressure Regulator Riser<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |  |       |               |                |   |
|----------|--|--|-------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product  | Notes | Approval Date | Recertify Date | Manufacturer  |
| X-6      |  | Pre-set pressure<br>regulator:<br>Model DG5025-4 |       | 5/08          | 5/13           | Hendrickson Bros.<br>2931 Rimpau Avenue<br>Corona CA 92881-3625<br>(909) 737-6822<br>(909) 737-9151 – Fax |
| X-6      |  | Valve box: Series 12                             |       | 10/96         | 9/01           | Brooks Products<br>10220 Fourth St.<br>Cucamonga CA 91730<br>(714) 987-8966                               |

|          | X-7 – Irrigation - Computerized Control system (ADOT)<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |   |                                   |               |                |   |
|----------|--|---|-----------------------------------|---------------|----------------|---|
| Category | ID/Rpt. No.  | Product   | Notes                             | Approval Date | Recertify Date | Manufacturer  |
| X-7      |  | Field satellite:<br>Model MIR 5000i or<br>MIR 5000s |                                   | 10/96         | 9/01           | Motorola, Inc.<br>3332 E. Broadway Rd.<br>Phoenix AZ 85040<br>(602) 271-7800        |
| X-7      |  | Enclosure:<br>Model La-Max 48H x<br>36W x 18D       |                                   | 4/08          | 4/13           | Cross Brothers<br>5255 Sheila Street<br>Los Angeles CA 90040-3990<br>(323) 266-2000 |
| X-7      |  | Antenna:<br>Model RRA-4908A                         | 806-866 MHz antenna and cable kit | 10/96         | 9/01           | Motorola Inc.<br>3332 E. Broadway Rd.<br>Phoenix AZ 85040<br>(602) 271-7800         |
| X-7      |  | Directional antenna:<br>Model D25TSA                | 806-825 MHz antenna               | 10/96         | 9/01           | Motorola Inc.<br>3332 E. Broadway Rd.<br>Phoenix AZ 85040<br>(602) 271-7800         |

|          | X-8 – Irrigation - Automatic Controller (City)<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |                              |       |               |                |   |
|----------|---|------------------------------|-------|---------------|----------------|---|
| Category | ID/Rpt. No.   | Product                      | Notes | Approval Date | Recertify Date | Manufacturer  |
| X-8      |   | Controller:<br>Irritrol MC-E |       | 5/08          | 5/13           | The Toro Company<br>Attn: Paul Tammelleo<br>5825 Jasmine Street<br>Riverside CA 92504<br>(602) 315-3637 |

|          | X-9 – Irrigation - Remote Control Valve<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |   |       |               |                |  |
|----------|--|---|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                                       | Notes | Approval Date | Recertify Date | Manufacturer   |
| X-9      |  | Remote control valve:<br>Rain Bird PEB series |       | 10/96         | 9/13           | Rain Bird Corp.<br>6991 E. Southpoint Rd.<br>Tucson AZ 85706<br>(520) 741-6100<br>(520) 741-6522 – Fax<br><a href="http://www.rainbird.com">www.rainbird.com</a> |

|     |  |   |                     |       |      |  |
|-----|--|---|---------------------|-------|------|--|
| X-9 |  | Remote control valve:<br>Irritrol 100P series |                     | 5/08  | 5/13 | The Toro Company<br>Attn: Paul Tammelleo<br>5825 Jasmine Street<br>Riverside CA 92504<br>(602) 315-3637  |
| X-9 |  | Remote Control Valve:<br>Buckner VP series    |                     | 3/01  | 3/06 | Storm Manufacturing Group, Inc.<br>23201 Normandie Ave.<br>Torrance CA 90501<br>(310) 326-8287<br>(310) 326-8310 – Fax<br><a href="http://www.bucknerirrigation.com">www.bucknerirrigation.com</a> |
| X-9 |  | Valve box: Model 1320                         |                     | 10/96 | 9/01 | Brooks Products Inc.<br>10220 Fourth St.<br>Cucamonga CA 91730<br>(714) 987-8966   |
| X-9 |  | Pressure gauge:<br>Model PHG                  | Pressure Hose Gauge | 10/96 | 9/13 | Rain Bird Corp.<br>6991 E. Southpoint Rd.<br>Tucson AZ 85706<br>(520) 741-6100<br>(520) 741-6522 – Fax<br><a href="http://www.rainbird.com">www.rainbird.com</a>                                   |

|          | X-10 – Irrigation - Manual Valves<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |                             |       |               |                |  |
|----------|--|-----------------------------|-------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                     | Notes | Approval Date | Recertify Date | Manufacturer   |
| X-10     |  | Manual valve:<br>Series 200 |       | 2/01          | 2/06           | Champion-Arrowhead, LLC<br>5147 Alhambra Ave.<br>Los Angeles CA 90032<br>(323) 221-9137<br>(323) 221-2579 – Fax<br><a href="http://www.championirrigation.com/">http://www.championirrigation.com/</a> |

|          | X-11 – Irrigation - PVC Polyvinyl chloride pipe<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |                          |                    |               |                |  |
|----------|--|--------------------------|--------------------|---------------|----------------|--|
| Category | ID/Rpt. No.  | Product                  | Notes              | Approval Date | Recertify Date | Manufacturer   |
| X-11     |  | Polyvinyl chloride (PVC) | Sizes as submitted | 4/08          | 4/13           | Cresline-West, Inc.<br>3747 W. Buckeye Rd.<br>Phoenix AZ 85009<br>(602) 269-5161 |

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|  | X-12 – Lodge Pole<br>ADOT Specifications: None<br>ADOT Drawings: None<br>Responsible Section: Roadside Development Section |  |  |  |  |  |
|--|--|--|--|--|--|--|

| Category | ID/Rpt.<br>No. | Product | Notes | Approval<br>Date | Recertify<br>Date | Manufacturer |
|----------|----------------|---------|-------|------------------|-------------------|--------------|
|          |                |         |       |                  |                   |              |